

LEGEND	
SYMBOL	DESCRIPTION
---	LIMIT OF WORK
---	DRCC BOUNDARY

**SASAKI**  
 110 CHAUNCEY STREET, SUITE 200, BOSTON MA 02111  
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**R** Engineers  
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 908-722-1500  
 Fax 908-722-7035  
 www.reynoldsgroup.com

**The Reynolds Group Inc.**  
 State of New Jersey  
 Certificate of Authorization  
 Number 24CA27965200  
 21M00004300

F. Mitchell Ardmán, P.E., P.P.  
 Jeffrey D. Reynolds, P.L.A.

*F. Mitchell Ardmán*  
**F. MITCHEL ARDMAN**  
 N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
 REG# 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

100 year flood line as per FEMA  
 100 year flood line as per NJDEP  
 500 year flood line as per NJDEP

DISCUS  
 FIELD #10  
 SHOT PUT

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**OVERALL KEY PLAN**

Project No: 28022.00 Scale: 1"=80'-0"  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No:  
**G1-01**

10/26/23 6:47:19 PM G:\28022.00\3.0\_Working\3.9\_CADD\1\_SheetFiles\G1-01\_Overall Key Plan.dwg



10/26/23, 6:18:33 PM, G:\2022\003\_0\_Working\3\_9\_CAD\1\_SheetFiles\G1-02\_Lawrence-Hopewell-Trail.dwg

LEGEND	
SYMBOL	DESCRIPTION
	LIMIT OF WORK
	DRCC BOUNDARY

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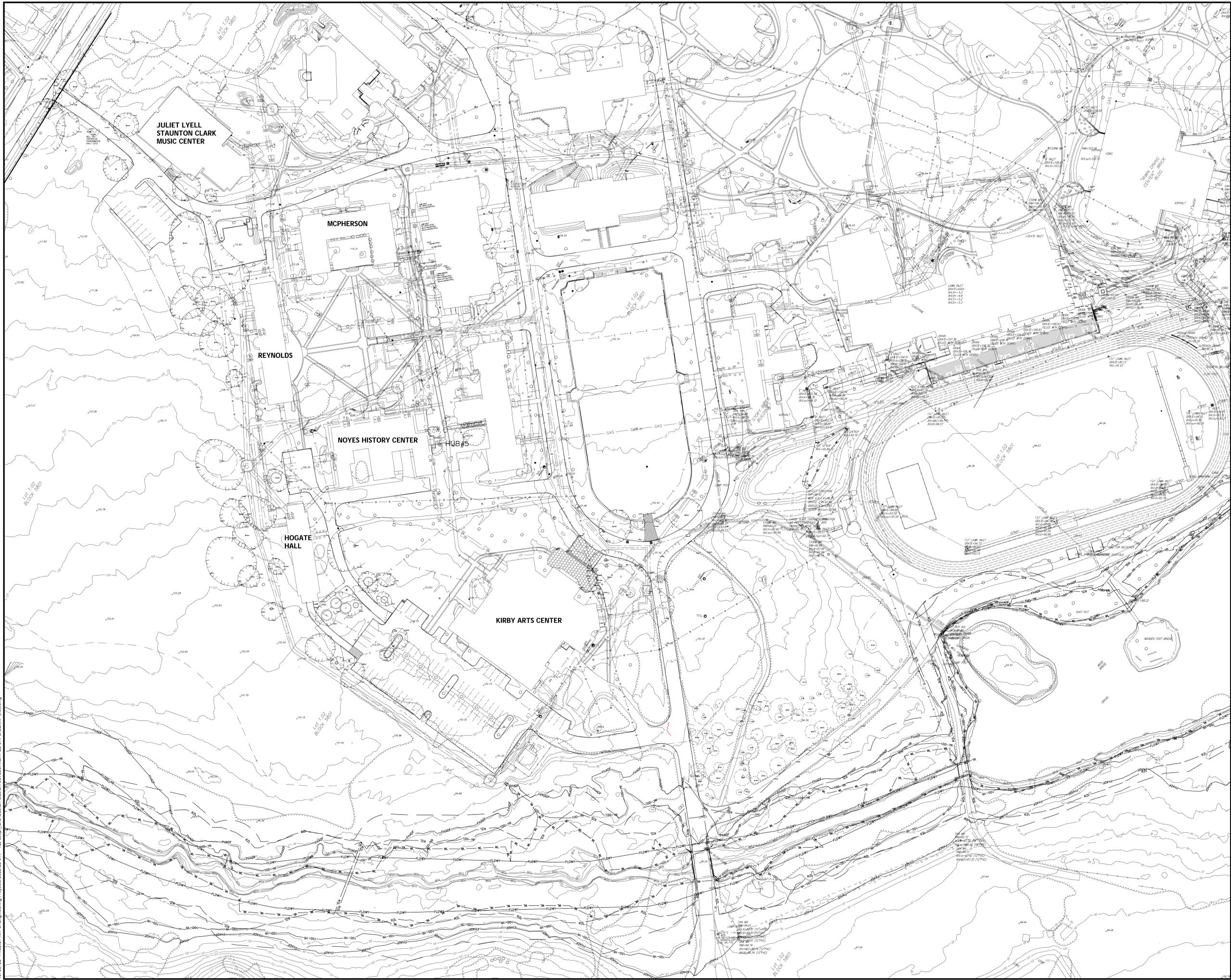
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**LAWRENCE-HOPEWELL  
 TRAIL-PERMANENT  
 ALIGNMENT PLAN**

Project No: 28022.00 Scale: 1"=120'-0"  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No: **G1-02**



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 10/22-09

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0 50 100  
 HORIZONTAL SCALE IN FEET

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**EXISTING CONDITIONS**

Project No: 28022.00 Scale:  
 Drawn By: AA  
 Checked By: AEC  
 Approved By: FMA  
 Date: 10/27/2023

Drawing No: **EX-100**

10/28/22 11:22:21 AM J:\Engineering Projects\2022\22-019 - TIC Loop CAD DESIGN DEVELOPMENT\22-019 BASEMAP (RD).dwg

### LAND USE PERMIT SET

No.	Description	Date
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DWG ISSUE & REVISION HISTORY

Stamp	



Project Title:

### THE LAWRENCEVILLE SCHOOL CAMPUS DRIVE WEST

### THE LAWRENCEVILLE SCHOOL 2500 Main Street, Lawrenceville NJ 08648

Drawing Title:  
**GENERAL NOTES**

Project No: 28022.00 Scale:  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L0-01**

**GENERAL NOTES:**

- DO NOT SCALE FROM DRAWING.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT FOR CLARIFICATION AND RESOLUTION PRIOR TO CONSTRUCTION.
- REFER TO CIVIL DRAWINGS (C-SERIES) FOR DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL, AND ADDITIONAL INFORMATION.
- EXISTING INFORMATION TAKEN FROM PRELIMINARY TOPOGRAPHIC SURVEY PREPARED BY THE REYNOLDS GROUP INC., DATED JULY 18TH, 2022.

**DEMOLITION NOTES:**

- CONTRACTOR SHALL REFER TO CIVIL DRAWINGS FOR UTILITIES DEMOLITION AND ADDITIONAL INFORMATION.
- MATERIAL RESULTING FROM ANY DEMOLITION ACTIVITY SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL MUNICIPAL REQUIREMENTS. THE CONTRACTOR SHALL NOT BURY OR ALLOW TO BE BURIED SUCH MATERIAL INCLUDING, BUT NOT LIMITED TO, FENCING, EXISTING STRUCTURES AND TREE STUMPS.
- CONTRACTOR TO REMOVE AND DISPOSE OF TEMPORARY SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION AND RESTORE TO PRE-CONSTRUCTION CONDITIONS.
- PROTECT ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED. COORDINATE STORAGE OF SALVAGED MATERIALS WITH OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CIVIL DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION FEES REQUIRED TO CARRY OUT THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION.
- THE LIMIT OF WORK LINE FOR THE AREA TO BE CLEARED AND GRUBBED SHALL BE THE SAME AS THE LIMIT OF WORK LINE NECESSARY FOR GRADING PURPOSES, I.E., THE GRADING LIMITS AROUND THE PERIMETER OF THE PROJECT AREA.
- UNLESS OTHERWISE NOTED, REMOVAL OF ANY STRUCTURE INCLUDING BUT NOT LIMITED TO WALLS, LIGHT POLES, FLAG POLES, ETC. INCLUDES REMOVAL OF THE FOUNDATION.
- DEPTH OF TOPSOIL REMOVAL IS ESTIMATED. REFER TO SECTION 31 1000 - SITE CLEARING - FOR ADDITIONAL INFORMATION.

**TREE PROTECTION NOTES:**

- FINAL TREE PROTECTION FENCE LOCATIONS ARE TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION ACTIVITY AS DIRECTED BY THE ARCHITECT AND MAY DIFFER FROM CONSTRUCTION DOCUMENTS.
- AT EXISTING TREES TO REMAIN WITHIN THE LIMIT OF WORK, ROOT PRUNING SHALL BE PERFORMED AS NEEDED WITHIN THE ROOT ZONE OF THE TREES.
- TREE PROTECTION SHALL CONFORM TO THE TOWNSHIP OF LAWRENCE TREE PROTECTION ORDINANCE, SEC. 541.G OF LAND USE ORDINANCE. SEE SHEET L8-02 FOR TREE PROTECTION DETAILS.
- FEEDER ROOTS SHALL NOT BE CUT WITHIN THE DRIPLINE; HOWEVER, IF FEEDER ROOT CUTTING IS WAIVED IN ORDER TO FURTHER OTHER OBJECTIVES OF THIS SECTION, SUCH CUTS SHALL BE MADE BY HAND WITH PRUNING SHEARS TO PRODUCE SHARP, CLEAN CUTS. REMOVAL OF FEEDER ROOTS BY MECHANIZED EQUIPMENT SHALL NOT BE PERMITTED.
- TREE TRUNKS AND EXPOSED ROOTS SHALL NOT BE DAMAGED. HOWEVER, ACCIDENTAL DAMAGE SHALL BE ADDRESSED AND ACTION TAKEN TO AVOID FURTHER INJURY TO THE TREE. DAMAGED BRANCHES SHALL BE SAWED OFF AT THE BRANCH COLLAR. NO SHELLAC OR PRUNING PAINT SHALL BE USED. WHEN THE PORTION OF THE TREE THAT IS DAMAGED IS DISEASED, PRUNING EQUIPMENT SHALL BE DIPPED IN ALCOHOL TO PREVENT FURTHER SPREAD OF DISEASE.
- DECIDUOUS TREES SHALL BE GIVEN A LIQUID, SLOW-RELEASE, LOW-NITROGEN, ALL PURPOSE FERTILIZER TO AID IN THEIR RECOVERY FROM POTENTIAL DAMAGE FROM CONSTRUCTION ACTIVITIES. SUCH APPLICATION SHALL BE MADE AT A DISTANCE OF ONE FOOT FROM THE TRUNK EXTENDING OUT IN CONCENTRIC CIRCLES TO THE DRIPLINE. THE FERTILIZER SHALL BE INJECTED INTO THE GROUND AT THE TIME OF THE CEASE OF CONSTRUCTION AND ONE YEAR THEREAFTER.
- THE AREA IN THE CRITICAL ROOT ZONE UNDER THE DRIPLINE SHALL BE LEFT OPEN TO PROVIDE ACCESS FOR WATER AND NUTRIENTS. NO IMPERVIOUS COVER, STORAGE OF EQUIPMENT, MATERIALS, DEBRIS OR FILL SHALL BE ALLOWED WITHIN THIS AREA EXCEPT AS SPECIFICALLY APPROVED BY THE BOARD OF JURISDICTION OR ADMINISTRATIVE OFFICER.

**LAYOUT NOTES:**

- ALL DIMENSIONS IN PLANS ARE NOTED IN FEET, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE TO BE VERIFIED IN FIELD BEFORE PROCEEDING WITH WORK.
- REPORT ANY DISCREPANCIES BETWEEN THE DRAWING AND/OR WITH OTHER CONSULTANTS DRAWINGS.
- THE FOLLOWING LAYOUT CRITERIA SHALL CONTROL UNLESS OTHERWISE NOTED:  
-ALL DIMENSIONS ARE TO FACE OF CURB  
-ALL DIMENSIONS ARE TO CENTER OF PAVEMENT MARKINGS

**GRADING NOTES:**

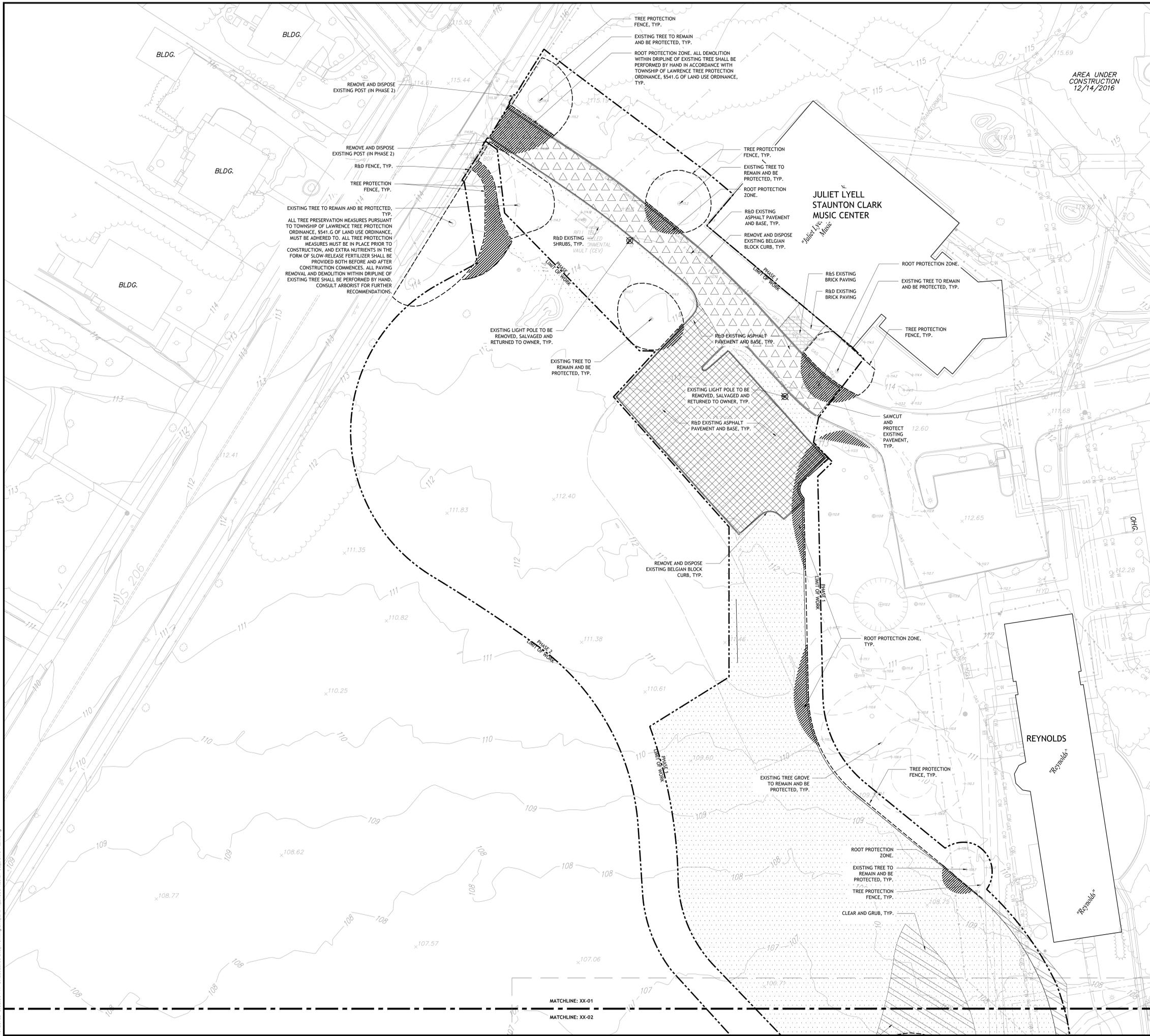
- REFER TO CIVIL DRAWINGS FOR UTILITY AND STORMWATER INFORMATION. UTILITIES AND MEP DRAWINGS SHALL BE COORDINATED WITH FINISHED GRADES, AND ARCHITECT SHALL BE INFORMED IN WRITING PRIOR TO CONSTRUCTION IN CASE OF ANY DISCREPANCIES.
- ALL GRADING SHALL BE REVIEWED WITH LANDSCAPE ARCHITECT PRIOR TO START OF WORK.
- ALL WALKWAYS SHALL MAINTAIN A CROSS SLOPE OF NOT MORE THAN 2%, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR CANNOT ACHIEVE A SLOPE THAT MEETS THIS REQUIREMENTS, THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY.
- ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES. THE PAVING SHALL BE A MAXIMUM OF 1/4" LOWER THAN THE FINISHED FLOOR ELEVATION AT ALL DOORWAYS.
- ALL WALKWAYS SHALL MAINTAIN A LONGITUDINAL SLOPE OF NOT MORE THAN 5% UNLESS EXPLICITLY NOTED OTHERWISE. IF THE CONTRACTOR CANNOT ACHIEVE A SLOPE THAT MEETS THIS REQUIREMENTS, THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY.
- ALL PAVED AND PLANTED AREAS SHALL SLOPE TO DRAIN AS INDICATED ON THE PLANS.
- ALL PAVEMENTS SHALL HAVE A MINIMUM PITCH OF 1%, UNLESS NOTED OTHERWISE.

**MATERIALS NOTES:**

- TYPES OF MATERIALS AND FINISHES ARE NOTED IN THE LEGEND.
- PAVEMENT TYPES FOR VEHICULAR & PEDESTRIAN AREAS ARE NOTED IN THE LEGEND.
- THE CONTRACTOR SHALL RAISE ALL UTILITY CASTINGS TO THE PROPOSED GRADE IN ALL AREAS WHICH ARE SHOWN ON THE DRAWING TO RECEIVE A 1" OVERLAY.
- ALL LANDSCAPE MATERIALS AND LAYOUT SHALL BE COORDINATED WITH CIVIL DRAWINGS.

**PLANTING NOTES:**

- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED WITH LAWN SEED BOTH INSIDE AND OUTSIDE THE CONTRACT LIMIT LINE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING VEGETATION TO REMAIN.
- SEE CIVIL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION. COORDINATE ALL WORK.
- ALL EXISTING PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
- THE CONTRACTOR SHALL PROTECT EXISTING TREES AS INDICATED IN DRAWINGS AND SPECIFICATIONS. TREE PROTECTION SHALL CONFORM TO THE TOWNSHIP OF LAWRENCE TREE PROTECTION ORDINANCE, 541.G OF LAND USE ORDINANCE.
- THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING AND PROPOSED UTILITIES TO VERIFY PROPOSED TREE LOCATIONS, AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT TO DETERMINE ALTERNATE PLANTING LOCATIONS.
- ALL PLANTING LOCATIONS AND PLANT BED EDGES SHALL BE STAKED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO DIGGING PLANTING PITS.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE IMPLEMENTATION OF PLANTING MATERIALS PER SPECIFICATIONS. MAINTENANCE SHALL INCLUDE, BUT IS NOT LIMITED TO, WATERING DURING PERIODS OF STRESS, PRUNING, AND ESTABLISHMENT.
- CONTRACTOR SHALL INSTALL ROOT BARRIER WHERE TREE ROOT BALL LOCATIONS ARE WITHIN 10' OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL SUPPLY PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN IN THE PLANS, IN THE EVENT OF A DISCREPANCY IN PLANT MATERIAL QUANTITIES BETWEEN THE DRAWINGS AND PLANT LISTS, THE LARGER QUANTITY SHALL BE REQUIRED.
- ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ITS ARRIVAL TO THE SITE.
- THE LANDSCAPE ARCHITECT SHALL APPROVE ROUGH AND FINISHED GRADES IN FIELD PRIOR TO THE CONTRACTOR STAKING TREES AND UTILITIES FOR LANDSCAPE ARCHITECT'S REVIEW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANT MATERIALS AGAINST DAMAGE DURING THE CONSTRUCTION PERIOD. PROTECTION SHALL BEGIN FROM THE TIME THE PLANT IS DELIVERED TO SITE AND CONTINUE UNTIL FORMAL ACCEPTANCE OF THE PROJECT.
- ALL PLANTING BEDS AND TREE SAUCERS SHALL BE COVERED WITH A MINIMUM OF 3 INCHES (DEPTH) OF SHREDED HARDWOOD MULCH. UNLESS OTHERWISE NOTED, SEE DETAILS FOR MULCH DEPTH. MULCH SHALL NOT COVER THE CROWN / ROOT FLARES OF PROPOSED PLANTINGS.
- CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS, STONE, EXCESS BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS, ROOTS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS.
- THE CONTRACTOR IS RESPONSIBLE FOR MOWING AND MAINTAINING THE PROJECT SITE UNTIL FINAL ACCEPTANCE.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN A VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST 2 YEARS FOR TREES AND A MINIMUM OF 2 GROWING SEASONS FOR SHRUBS. REPLACEMENT OF DEAD OR DISEASED PLANT MATERIAL SHALL BE MADE AT THE BEGINNING OF EACH PLANTING SEASON.
- UTILITIES SHOWN FOR REFERENCE ONLY, SEE CIVIL DRAWINGS.
- CONTRACTOR SHALL PROVIDE PROOF OF SEED MIX AND QUANTITY / RATE APPLIED.
- TREES AND SHRUBS SHALL BE OF NURSERY-GROWN STOCK AND SHALL BE INSECT AND DISEASE FREE. PLANTS SHOULD BE WELL-FORMED AND HEALTHY. THE ROOT BALL SHOULD BE INSPECTED TO ENSURE THAT IT IS UNDAMAGED, CONTAINS GOOD QUALITY SOIL, AND ENCOMPASSES THE ENTIRE ROOT SYSTEM.
- THE QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE MEASURED AND DETERMINED IN ACCORDANCE WITH ANSI Z60.1-2014 (OR CURRENT EDITION) "AMERICAN STANDARD FOR NURSERY STOCK", AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- NO PLANT EXCEPT GROUND COVERS SHALL BE PLANTED LESS THAN 2' FROM EXISTING STRUCTURES AND SIDEWALKS.
- UNDERGROUND IRRIGATION SYSTEMS SHALL BE INSTALLED IN ALL BUFFERS GREATER THAN 2' IN HEIGHT AS MEASURED FROM THE TOW OF THE SLOPE TO THE TOP AND OTHER AREAS OF MASS PLANTING.
- TREES AND SHRUBS SHALL BE PLANTED ACCORDING TO THE FOLLOWING RECOMMENDED HORTICULTURAL PROCEDURES:  
24.1. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICES.  
24.2. PLANTS SHALL BE THOROUGHLY WATERED ACCORDING TO AN APPROVED WATERING SCHEDULE.  
24.3. CONTRACTOR SHALL REPORT TO THE TOWNSHIP ENGINEER ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PLANT MATERIAL.  
24.4. INSOFAR AS IS PRACTICAL, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED AND WATER IT APPROPRIATELY. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A 3 DAY PERIOD AFTER DELIVERY.  
24.5. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME IN A WAY THAT COULD CAUSE DAMAGE TO THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL OR CONTAINER ONLY.  
24.6. TREE TRUNKS SHALL BE WRAPPED WITH TREE WRAP WHICH SHALL BE REMOVED AFTER 1 GROWING SEASON.  
24.7. FOR BALLED AND BURLAPPED TREES, THE BURLAP AND BINDINGS SHALL BE REMOVED FROM THE TOP OF THE ROOT BALL. IF SYNTHETIC, NON-BIODEGRADABLE BURLAP AND TWINE OR WIRE MESH IS USED, COMPLETE REMOVAL OF THESE MATERIALS SHALL BE REQUIRED AFTER SETTING PLANT MATERIAL IN HOLE.  
24.8. ALL TREES AND SHRUBS SHALL BE DELIVERED TO THE SITE UNPRUNED. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. FOR BALLED AND BURLAPPED PLANT MATERIAL, 1/3 OF THE LEAF AREA SHOULD BE REMOVED BY THINNING THE BRANCHES AND REDUCING THEIR LENGTH. THE CENTRAL LEADER OF THE TREE SHALL NOT BE CUT.  
24.9. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. ALL TREES GREATER THAN 6" SHALL BE GUYED TO ANCHORS. SMALLER TREES SHALL BE STAKED WITH 2 WOOD STAKES. THE STAKES SHALL HAVE A MINIMUM 2" NOMINAL DIAMETER. THE SUPPORT WIRES BETWEEN THE STAKES AND THE TREE SHALL BE OF A DOUBLE STRAND OF GALVANIZED WIRE, MINIMUM 15 GAUGE. THE PORTION OF THE SUPPORT WIRE IN CONTACT WITH THE TREE SHALL BE ENCASED IN REINFORCED RUBBER HOUSING OR EQUAL TO PROTECT THE TREE FROM INJURY. TO INCREASE THE VISIBILITY FOR SAFETY, SURVEYOR'S FLAGS SHALL BE TIED TO THE SUPPORT WIRES. STAKES AND WIRES SHALL BE REMOVED AFTER TREES ARE ESTABLISHED.  
24.10. NO TREES SHALL BE PLANTED CLOSER THAN 10' TO A SANITARY OR UTILITY EASEMENT.  
25. ANY GROUND VEGETATION WITHIN A SIGHT TRIANGLE IS NOT TO EXCEED A HEIGHT OF 30", AND ANY TREES WITHIN A SIGHT TRIANGLE ARE TO BE LIMBED TO A MINIMUM HEIGHT OF 7'



AREA UNDER CONSTRUCTION 12/14/2016

SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
---	DRCC BOUNDARY
<b>DEMOLITION</b>	
[Cross-hatch pattern]	REMOVE EXISTING ASPHALT PAVING, CURB, AND BASE, TYP.
[Diagonal hatch pattern]	MILL AND OVERLAY EXISTING ASPHALT PAVEMENT, TYP.
[Horizontal hatch pattern]	REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT AND BASE, TYP.
[Vertical hatch pattern]	CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL FOR REUSE, TYP.
[Dotted pattern]	CLEAR AND GRUB, EXISTING TOPSOIL TO REMAIN, TYP.
[Diagonal hatch pattern]	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN DRIPLINE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE §541.G, TYP.
[Circle with cross]	TREE PROTECTION FENCE, TYP.
[Circle with X]	TREE REMOVAL, TYP.
[Dashed line]	REMOVE AND DISPOSE EXISTING BELGIAN BLOCK CURB, TYP.
[Dashed line]	REMOVE AND DISPOSE EXISTING FENCE, TYP.
[Dashed line]	REMOVE AND DISPOSE EXISTING WALLS AND STAIRS, TYP.
[X]	REMOVE AND DISPOSE, TYP.
[R&D]	REMOVE AND DISPOSE, TYP.
[R&S]	REMOVE AND SALVAGE, TYP.
[X]	EXISTING LIGHT POLES AND BASE TO BE REMOVED AND RETURNED TO OWNERS STORAGE, TYP.
[Dashed line]	SAWCUT AND PROTECT EXISTING PAVEMENT, TYP.

**NOTES:**  
REFER TO SHEET L0-01 FOR DEMOLITION NOTES.  
REFER TO UTILITIES DRAWINGS AND NOTES FOR UTILITIES PROTECTION AND DEMOLITION.

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No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

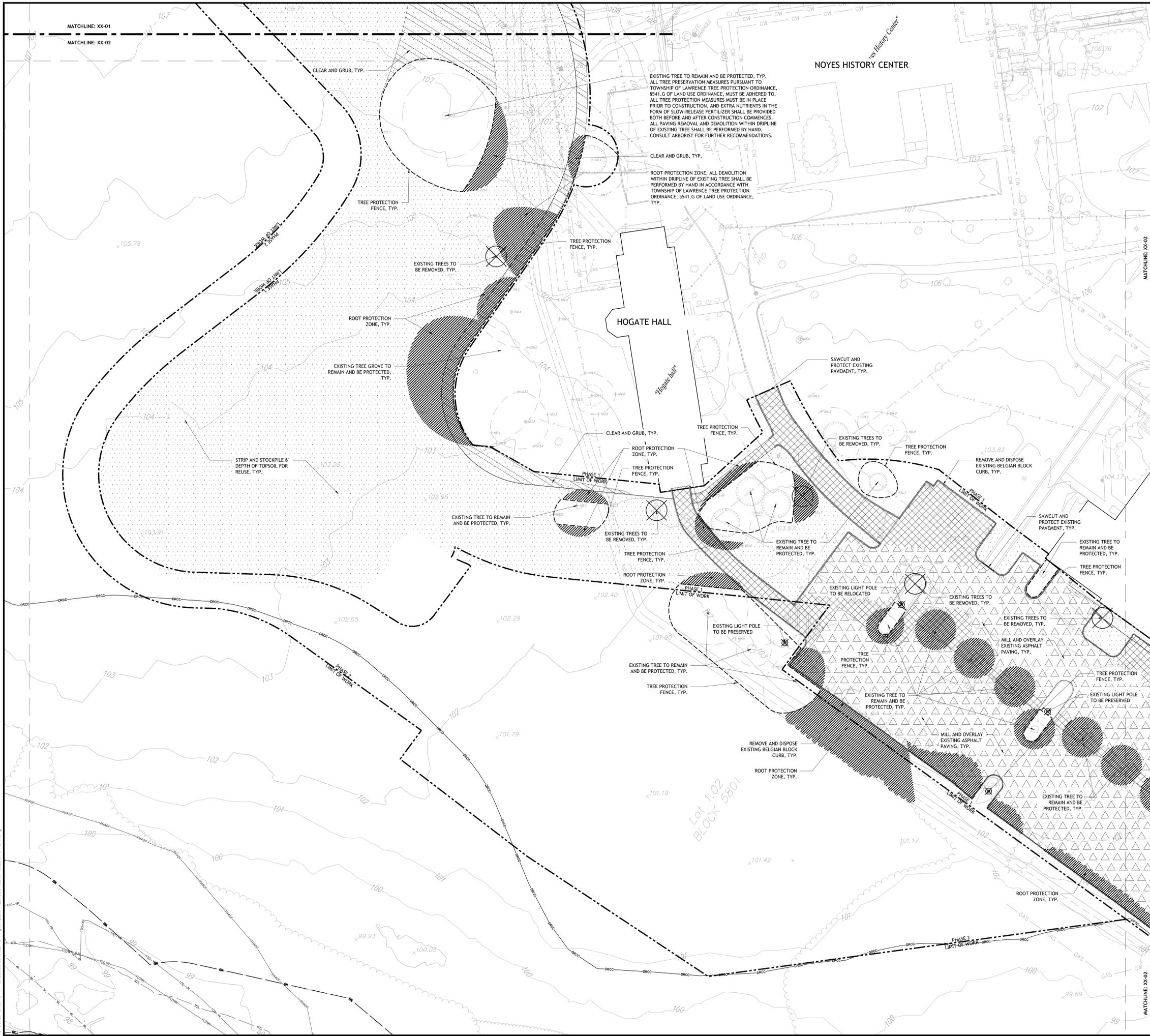
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**SITE PREPARATION AND  
DEMOLITION PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L1-01**

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SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
---	DRCC BOUNDARY
<b>DEMOLITION</b>	
[Pattern]	REMOVE EXISTING ASPHALT PAVING, CURB, AND BASE, TYP.
[Pattern]	MILL AND OVERLAY EXISTING ASPHALT PAVING, TYP.
[Pattern]	REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT AND BASE, TYP.
[Pattern]	CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL FOR REUSE, TYP.
[Pattern]	CLEAR AND GRUB, EXISTING TOPSOIL TO REMAIN, TYP.
[Pattern]	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN DRUPLINE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE 5541.G, TYP.
[Symbol]	TREE PROTECTION FENCE, TYP.
[Symbol]	TREE REMOVAL, TYP.
[Symbol]	REMOVE AND DISPOSE EXISTING BELGIAN BLOCK CURB, TYP.
[Symbol]	REMOVE AND DISPOSE EXISTING FENCE, TYP.
[Symbol]	REMOVE AND DISPOSE EXISTING WALLS AND STAIRS, TYP.
[Symbol]	REMOVE AND DISPOSE, TYP.
[Symbol]	REMOVE AND DISPOSE, TYP.
[Symbol]	REMOVE AND SALVAGE, TYP.
[Symbol]	EXISTING LIGHT POLES AND BASE TO BE REMOVED AND RETURNED TO OWNERS STORAGE, TYP.
[Symbol]	SAWCLUT AND PROTECT EXISTING PAVEMENT, TYP.

**NOTES:**  
 REFER TO SHEET L0-01 FOR DEMOLITION NOTES.  
 REFER TO UTILITIES DRAWINGS AND NOTES FOR UTILITIES PROTECTION AND DEMOLITION.

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**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**SITE PREPARATION AND  
 DEMOLITION PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No:  
**L1-02**

10/26/23, 5:35:15 PM, G:\28022.00\3.0\_Working\3\_B\_CAD\L1\_SheetFinal\L1-02\_Demo\_Plan.dwg



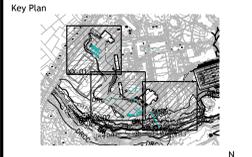
LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
	LIMIT OF WORK
	DRCC BOUNDARY
<b>DEMOLITION</b>	
	REMOVE EXISTING ASPHALT PAVING, CURB, AND BASE, TYP.
	MILL AND OVERLAY EXISTING ASPHALT PAVEMENT, TYP.
	REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT AND BASE, TYP.
	CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL FOR REUSE, TYP.
	CLEAR AND GRUB, EXISTING TOPSOIL TO REMAIN, TYP.
	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN BOUNDLINE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE 5541.G, TYP.
	TREE PROTECTION FENCE, TYP.
	TREE REMOVAL, TYP.
	REMOVE AND DISPOSE EXISTING BELGIAN BLOCK CURB, TYP.
	REMOVE AND DISPOSE EXISTING FENCE, TYP.
	REMOVE AND DISPOSE EXISTING WALLS AND STAIRS, TYP.
	REMOVE AND DISPOSE, TYP.
	REMOVE AND DISPOSE, TYP.
	REMOVE AND SALVAGE, TYP.
	EXISTING LIGHT POLES AND BASE TO BE REMOVED AND RETURNED TO OWNERS STORAGE, TYP.
	SAWCUT AND PROTECT EXISTING PAVEMENT, TYP.

**NOTES:**  
 REFER TO SHEET L0-01 FOR DEMOLITION NOTES.  
 REFER TO UTILITIES DRAWINGS AND NOTES FOR UTILITIES PROTECTION AND DEMOLITION.

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

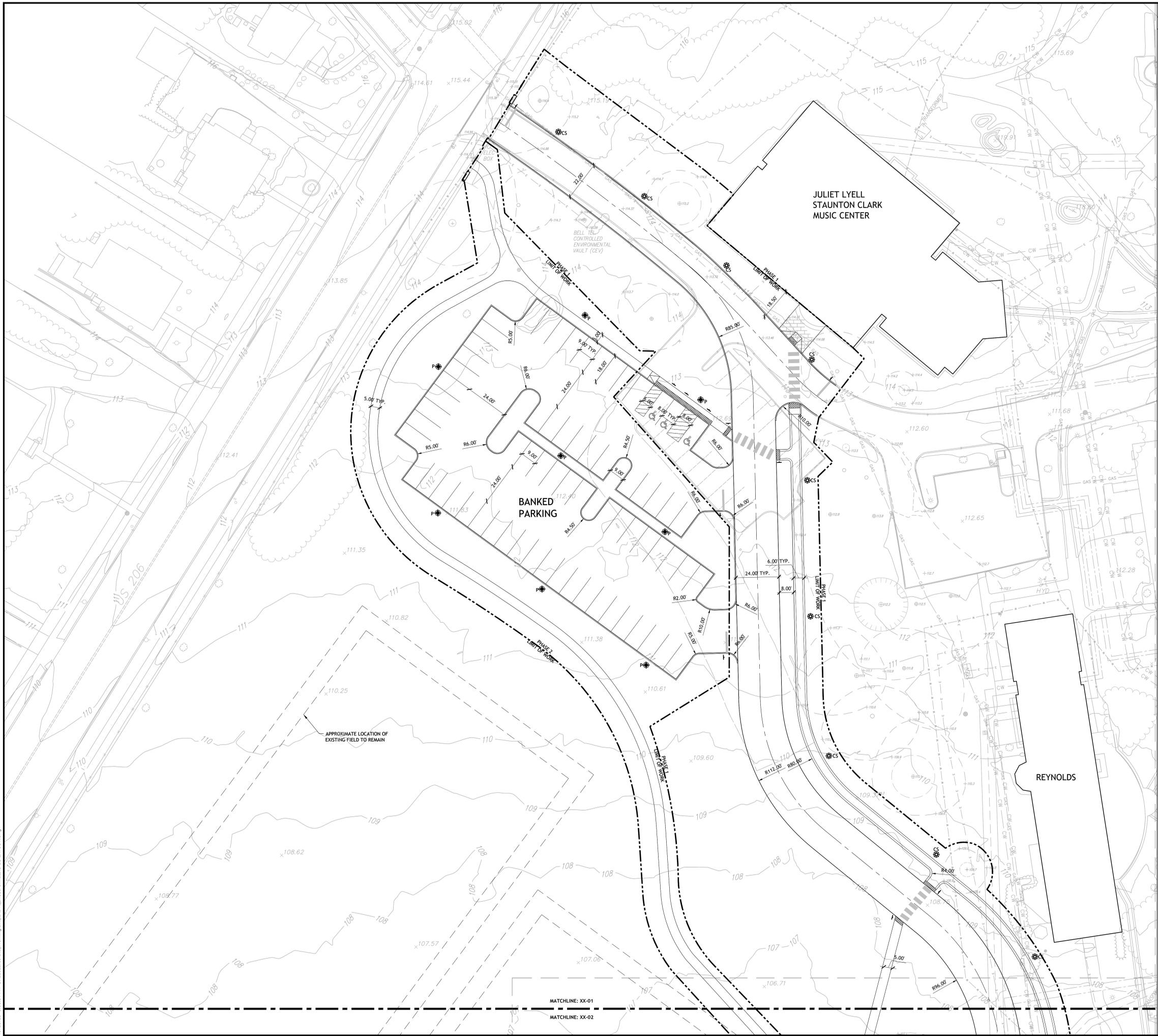
**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**SITE PREPARATION AND  
 DEMOLITION PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No:  
**L1-03**

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**LEGEND**

SYMBOL	DESCRIPTION
--- (dashed line)	LIMIT OF WORK
--- (long dashed line)	ROAD CENTER LINE
--- (solid line)	DRCC BOUNDARY
<b>SITE LIGHTING</b>	
CS (circle with cross)	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
P (circle with dot)	PARKING/ROADWAY LIGHT, TYP.

**NOTES:**  
REFER TO SHEET L0-01 FOR LAYOUT NOTES, REFER TO SITE LIGHTING PLANS FOR SITE LIGHTING INFORMATION.

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Certificate of Authorization  
Number 24CA27965200  
21M00004300

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Jeffrey D. Reynolds, P.L.A.

*F. Mitchel Ardmán*  
**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
10/24/22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

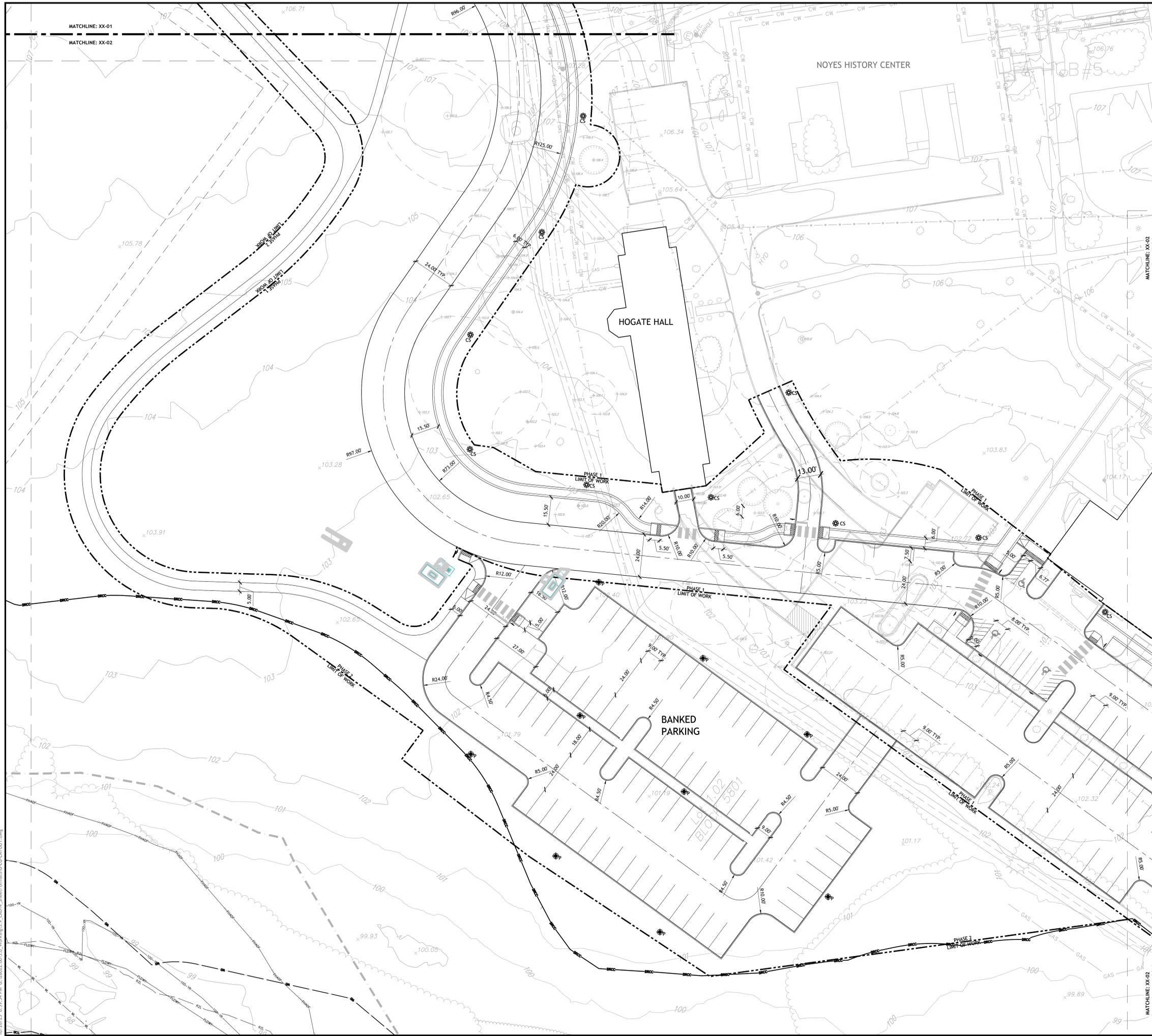
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**LAYOUT PLAN**

Project No: 28022.00      Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L2-01**

10/26/23 6:38:51 PM G:\28022.00\3.0\_Working\3.9\_CADD\SheetFormat\GL\GLAYOUT.dwg



LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
---	ROAD CENTER LINE
---	DRCC BOUNDARY
<b>SITE LIGHTING</b>	
CS	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
P	PARKING/ROADWAY LIGHT, TYP.
<b>NOTES:</b>	
REFER TO SHEET L0-01 FOR LAYOUT NOTES, REFER TO SITE LIGHTING PLANS FOR SITE LIGHTING INFORMATION.	

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 REG. 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

Drawing Title:  
**LAYOUT PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No:  
**L2-02**

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**LEGEND**

SYMBOL	DESCRIPTION
---	LIMIT OF WORK
- - -	ROAD CENTER LINE
---	DRCC BOUNDARY
<b>SITE LIGHTING</b>	
CS	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
P	PARKING/ROADWAY LIGHT, TYP.

**NOTES:**  
REFER TO SHEET L0-01 FOR LAYOUT NOTES, REFER TO SITE LIGHTING PLANS FOR SITE LIGHTING INFORMATION.

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REG 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp
-------

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

N

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

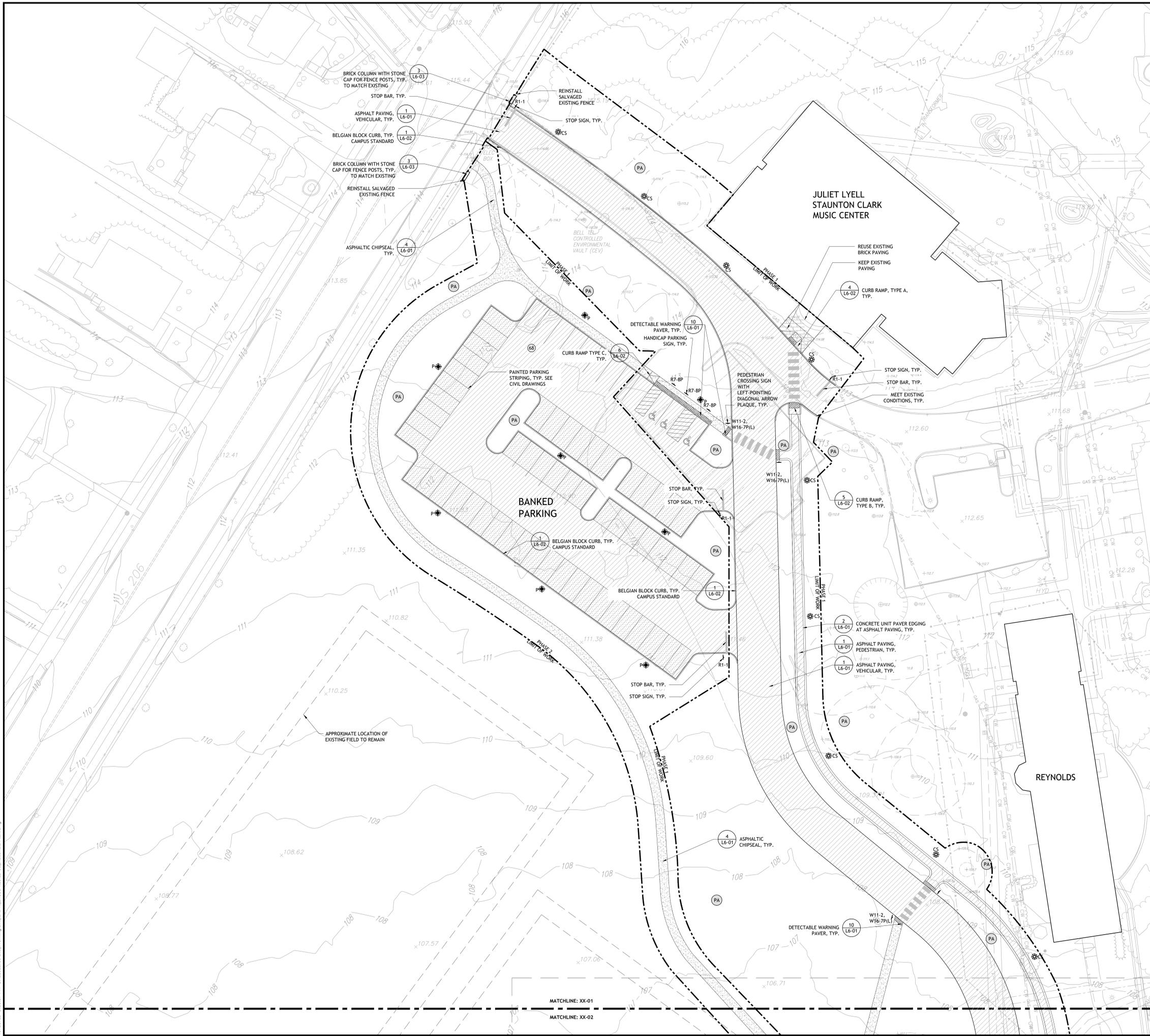
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**LAYOUT PLAN**

Project No: 28022.00      Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L2-03**

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**LEGEND**

SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
---	DRCC BOUNDARY
<b>MATERIALS</b>	
[Pattern]	ASPHALT PAVING, TYP.
[Pattern]	PERVIOUS ASPHALT PAVING, TYP. SEE CIVIL DWGS
[Pattern]	CAST-IN-PLACE CONCRETE PAVING, TYP.
[Pattern]	ASPHALTIC CHIPSEAL PAVING, TYP.
[Pattern]	CONCRETE UNIT PAVERS, TYP.
[Pattern]	CROSSWALK
[Symbol]	TRASH AND RECYCLING RECEPTACLE, TYP.
[Symbol]	PLANTED AREA
[Symbol]	PARKING SPACES
[Symbol]	SIGNAGE, TYP.
<b>SITE LIGHTING</b>	
[Symbol]	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
[Symbol]	PARKING/ROADWAY LIGHT, TYP.

NOTE: SEE LIGHTING AND ELECTRICAL DRAWINGS FOR SITE LIGHTING INFORMATION.

SIGN TABLE	SIZE	REMARKS
R1-1	30"x30"	STOP SIGN
R5-1	30"x30"	DO NOT ENTER SIGN
R6-1L	36"x12"	ONE-WAY SIGN LEFT POINTING
R6-1R	36"x12"	ONE-WAY SIGN RIGHT POINTING
W11-2	30"x30"	PEDESTRIAN SIGN
W16-7P (L or R)	24"x12"	DIAGONAL ARROW (LEFT OR RIGHT POINTING)
W16-9P	24"x12"	AHEAD
R7-8P	12"x18"	RESERVED PARKING (WITH WHEELCHAIR SYMBOL)
R7-8P	18"x9"	VAN ACCESSIBLE

NOTES:

1. DIMENSIONS, COLORS, AND DETAILS OF VARIOUS SIZE SIGNS, SHIELDS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGNS PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL SIGNS ARE TO BE ASTM D 4956 TYPE III SHEETING.
3. ALL SIGNS ARE TO BE MOUNTED ON NJDOT BREAKAWAY STEEL U-POSTS.
4. REFER TO CIVIL DRAWINGS FOR SIGNAGE AND STRIPING DETAILS.

**STRIPING LEGEND**

LABEL	DESCRIPTION
①	ACCESSIBILITY SYMBOL (WHITE SYMBOL ON 48"x48" BLUE BACKGROUND)
②	PARKING STALL (4" SINGLE WHITE LINE)
③	ACCESS AISLE AND GORE AREA (4" SINGLE WHITE OUTLINE AND 4" WHITE LINES 36" C-C @ 45°)
④	CROSSWALK (INSIDE WIDTH TO MATCH WALKWAY WIDTH, 4" WHITE LINES)
⑤	STOP BAR (24" WHITE)

NOTE: REFER TO SHEET L0-01 FOR ADDITIONAL MATERIALS PLAN NOTES

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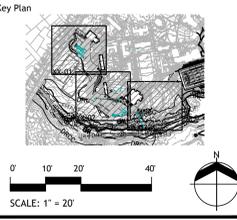
F. Mitchel Ardman, P.E., P.P.  
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**F. Mitchel Ardman**  
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N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
10/24/22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

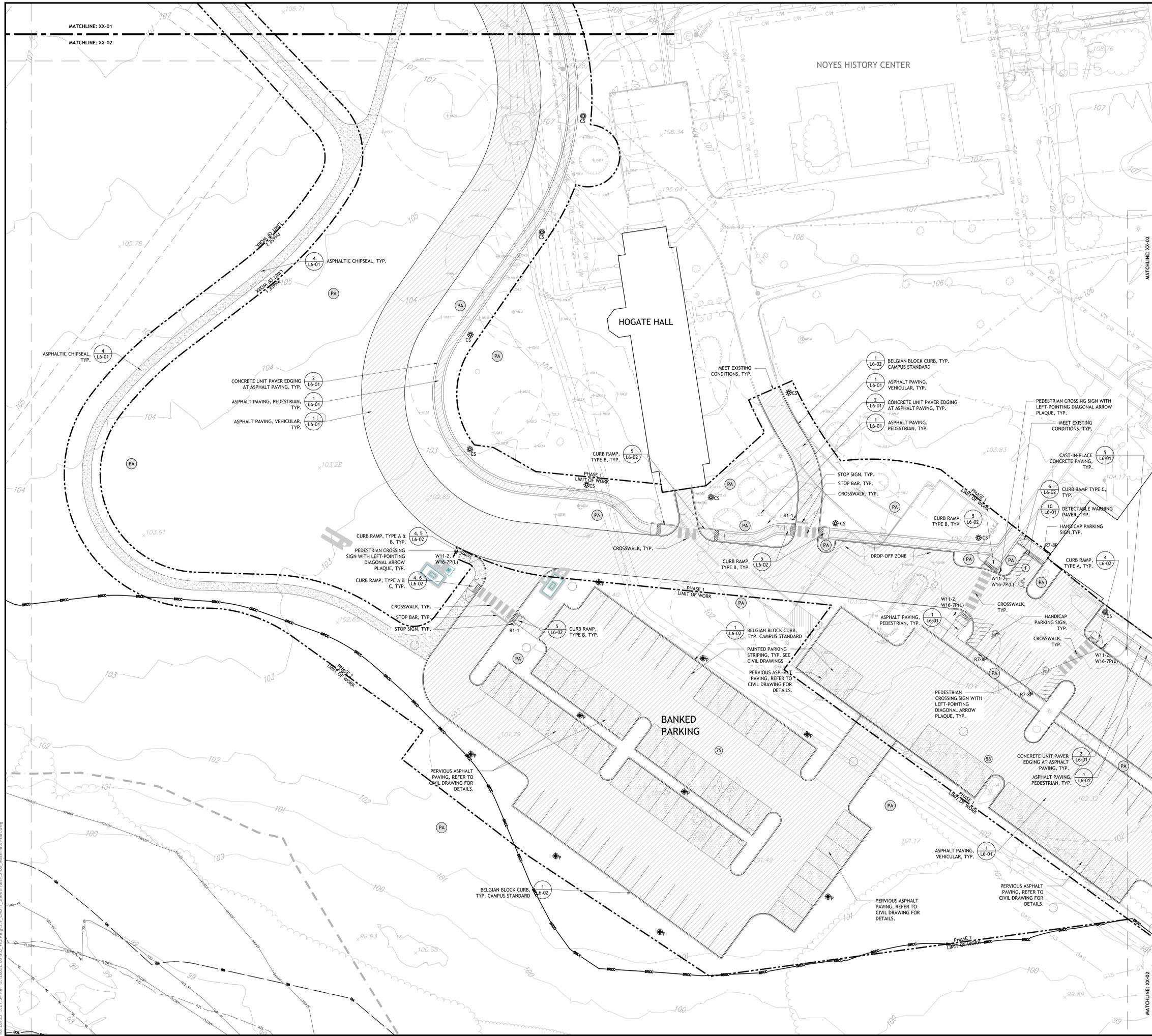
**MATERIALS PLAN**

Project No: 28022.00 Scale: 1"=20'-0"

Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L3-01**

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**LEGEND**

SYMBOL	DESCRIPTION
---	LIMIT OF WORK
---	DRCC BOUNDARY

**MISCELLANEOUS**

[Symbol]	TRASH AND RECYCLING RECEPTACLE, TYP.
[Symbol]	PLANTED AREA
[Symbol]	PARKING SPACES
[Symbol]	SIGNAGE, TYP.

**MATERIALS**

[Symbol]	ASPHALT PAVING, TYP.
[Symbol]	PERVIOUS ASPHALT PAVING, TYP. SEE CIVIL DWGS
[Symbol]	CAST-IN-PLACE CONCRETE PAVING, TYP.
[Symbol]	ASPHALTIC CHIPSEAL PAVING, TYP.
[Symbol]	CONCRETE UNIT PAVERS, TYP.
[Symbol]	CROSSWALK
[Symbol]	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
[Symbol]	PARKING/ROADWAY LIGHT, TYP.

**SITE LIGHTING**

[Symbol]	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
[Symbol]	PARKING/ROADWAY LIGHT, TYP.

**NOTE:** SEE LIGHTING AND ELECTRICAL DRAWINGS FOR SITE LIGHTING INFORMATION.

**SIGN TABLE**

NUDOT SERIES	SIZE	REMARKS
R1-1	30"x30"	STOP SIGN
R5-1	30"x30"	DO NOT ENTER SIGN
R6-1L	36"x12"	ONE-WAY SIGN LEFT POINTING
R6-1R	36"x12"	ONE-WAY SIGN RIGHT POINTING
W11-2	30"x30"	PEDESTRIAN SIGN
W16-7P	24"x12"	DIAGONAL ARROW (LEFT OR RIGHT POINTING)
W16-9P	24"x12"	AHEAD
R7-8	12"x18"	RESERVED PARKING (WITH WHEELCHAIR SYMBOL)
R7-8P	18"x9"	VAN ACCESSIBLE

**NOTES:**

1. DIMENSIONS, COLORS, AND DETAILS OF VARIOUS SIZE SIGNS, SHIELDS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGNS PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL SIGNS ARE TO BE ASTM D 4956 TYPE III SHEETING.
3. ALL SIGNS ARE TO BE MOUNTED ON NJDOT BREAKAWAY STEEL U-POSTS.
4. REFER TO CIVIL DRAWINGS FOR SIGNAGE AND STRIPING DETAILS.

**STRIPING LEGEND**

LABEL	DESCRIPTION
①	ACCESSIBILITY SYMBOL (WHITE SYMBOL ON 48"x48" BLUE BACKGROUND)
②	PARKING STALL (4" SINGLE WHITE LINE)
③	ACCESS AISLE AND GORE AREA (4" SINGLE WHITE OUTLINE AND 4" WHITE LINES 36" C-C @ 45°)
④	CROSSWALK (INSIDE WIDTH TO MATCH WALKWAY WIDTH, 6" WHITE LINES)
⑤	STOP BAR (24" WHITE)

**NOTE:** REFER TO SHEET L0-01 FOR ADDITIONAL MATERIALS PLAN NOTES

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Jeffrey D. Reynolds, P.L.A.

**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
REG 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		
Stamp		
Key Plan		
SCALE: 1" = 20' Project Title:		
<b>THE LAWRENCEVILLE SCHOOL CAMPUS DRIVE WEST</b>		
<b>THE LAWRENCEVILLE SCHOOL 2500 Main Street, Lawrenceville NJ 08648</b>		
Drawing Title:		
<b>MATERIALS PLAN</b>		
Project No: 28022.00      Scale: 1"=20'-0" Drawn By: SH, JH Checked By: RM Approved By: AG Date: 10/27/2023		
Drawing No:		
<b>L3-02</b>		

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**LEGEND**

SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
---	DRCC BOUNDARY
<b>MATERIALS</b>	
[Pattern]	ASPHALT PAVING, TYP.
[Pattern]	PERVIOUS ASPHALT PAVING, TYP. SEE CIVIL DWGS
[Pattern]	CAST-IN-PLACE CONCRETE PAVING, TYP.
[Pattern]	ASPHALTIC CHIPSEAL PAVING, TYP.
[Pattern]	CONCRETE UNIT PAVERS, TYP.
[Pattern]	CROSSWALK
[Symbol]	TRASH AND RECYCLING RECEPTACLE, TYP.
[Symbol]	PLANTED AREA
[Symbol]	PARKING SPACES
[Symbol]	SIGNAGE, TYP.
<b>SITE LIGHTING</b>	
[Symbol]	CAMPUS STANDARD PEDESTRIAN LIGHT, TYP.
[Symbol]	PARKING/ROADWAY LIGHT, TYP.

NOTE: SEE LIGHTING AND ELECTRICAL DRAWINGS FOR SITE LIGHTING INFORMATION.

SIGN TABLE	SIZE	REMARKS
R1-1	30"x30"	STOP SIGN
R5-1	30"x30"	DO NOT ENTER SIGN
R6-1L	36"x12"	ONE-WAY SIGN LEFT POINTING
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NOTES:

- DIMENSIONS, COLORS, AND DETAILS OF VARIOUS SIZE SIGNS, SHIELDS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGNS PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
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**STRIPING LEGEND**

LABEL	DESCRIPTION
①	ACCESSIBILITY SYMBOL (WHITE SYMBOL ON 48"x48" BLUE BACKGROUND)
②	PARKING STALL (4" SINGLE WHITE LINE)
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NOTE: REFER TO SHEET L0-01 FOR ADDITIONAL MATERIALS PLAN NOTES

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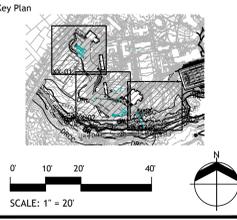
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*F. Mitchell Ardmán*  
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N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
10/24/22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		
Stamp		



Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

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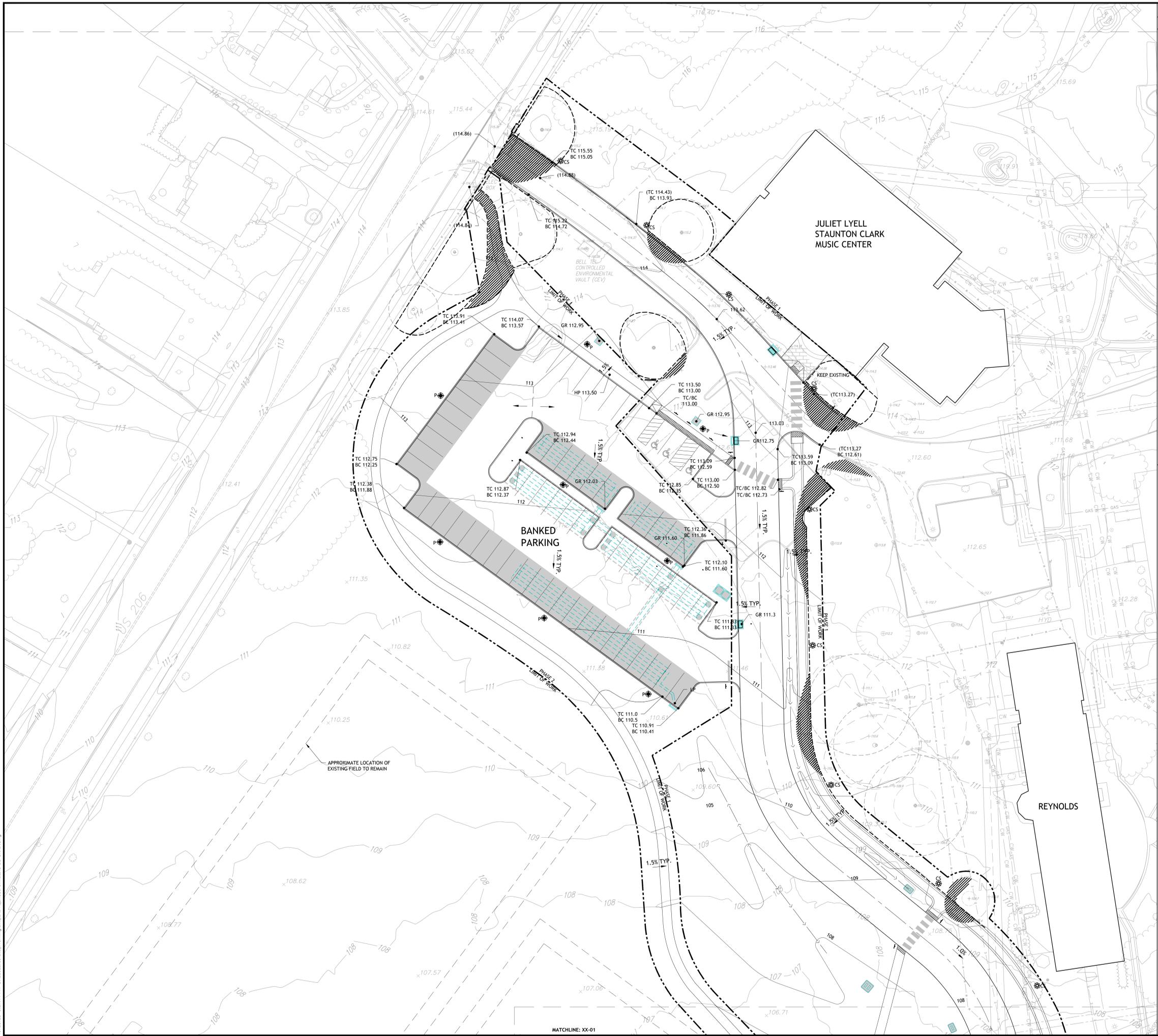
**MATERIALS PLAN**

Project No: 28022.00 Scale: 1"=20'-0"

Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L3-03**

10/26/23, 5:30:36 PM, C:\28022\003\0\_Working\3\_8\_CADD\1\_SheetFiles\L3-03\_Materials Plan.dwg



**LEGEND**

SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
<b>GRADING</b>	
1%	SLOPE
XXX.XX	SPOT ELEVATION
(XXX.XX)	EXISTING SPOT ELEVATION
TB	TOP AND BOTTOM OF BENCH
TC	TOP AND BOTTOM OF CURB
TF	TOP OF FOUNDATION
TR	TOP AND BOTTOM OF RAMP
TS	TOP AND BOTTOM OF STAIR
TW	TOP AND BOTTOM OF WALL
BW	FINISHED FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
HPS	HIGH POINT OF SWALE
GR	INLET GRATE TOP ELEVATION
---	GRADE BREAK
S	SWALE
---	CONTOUR MAJOR
---	CONTOUR MINOR
RIM XX.XX	DRAIN INLET RIM ELEVATION
○	MANHOLE
○	EXISTING TREE TO REMAIN
○	TREE PROTECTION FENCE (SEE DEMO PLAN)
▨	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN DRILLPIE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE 5541.G, TYP.

NOTE:  
REFER TO SHEET L0-01 FOR GRADING NOTES

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*F. Mitchell Ardman*  
**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
10/24/22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

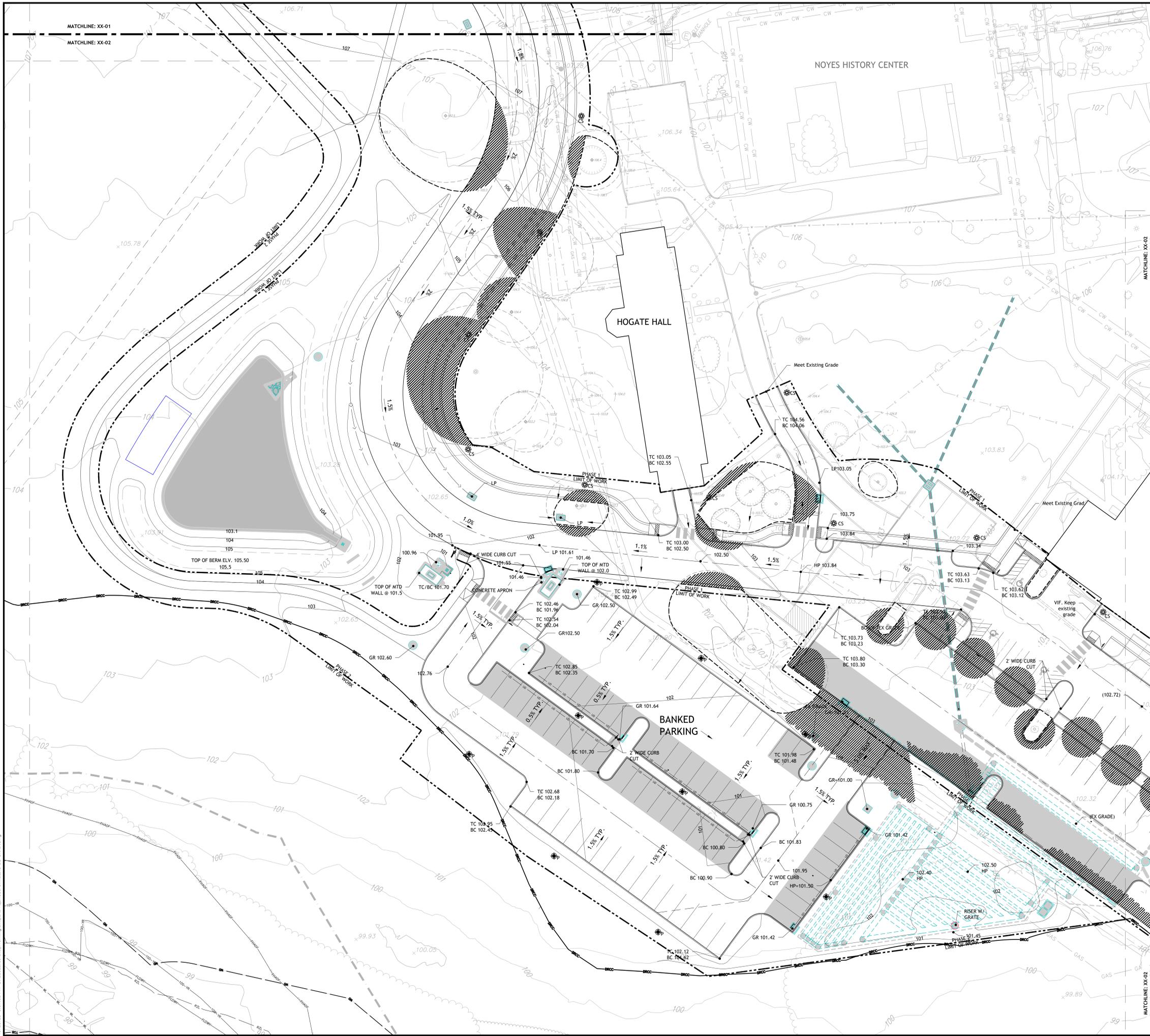
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**GRADING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L4-01**

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LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
<b>GRADING</b>	
1%	SLOPE
XXX.XX	SPOT ELEVATION
(XXX.XX)	EXISTING SPOT ELEVATION
TB	TOP AND BOTTOM OF BENCH
TC	TOP AND BOTTOM OF CURB
TF	TOP OF FOUNDATION
TR	TOP AND BOTTOM OF RAMP
TS	TOP AND BOTTOM OF STAIR
TW	TOP AND BOTTOM OF WALL
FFE	FINISHED FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
HPS	HIGH POINT OF SWALE
GR	INLET GRATE TOP ELEVATION
<b>MISCELLANEOUS</b>	
---	GRADE BREAK
---	SWALE
---	CONTOUR MAJOR
---	CONTOUR MINOR
---	DRAIN INLET RIM ELEVATION
---	MANHOLE
---	EXISTING TREE TO REMAIN
---	TREE PROTECTION FENCE (SEE DEMO PLAN)
---	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN DRILLPIECE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE 5541.G, TYP.

NOTE:  
REFER TO SHEET L0-01 FOR GRADING NOTES

**SASAKI**  
118 CHANCERY STREET, SUITE 200, BOSTON MA 02111  
F 617 926 8800 F 617 924 2748 W SASAKI.COM

**RE** Engineers  
Landscape Architects  
Land Surveyors  
Planners  
575 Route 28, Suite 110  
Raritan, N.J. 08869  
908-722-1500  
Fax 908-722-7035  
www.reynoldsgroup.com

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State of New Jersey  
Certificate of Authorization  
Number 24CA27969200  
21M00004300

F. MITCHEL ARDMAN, P.E., P.P.  
Jeffrey D. Reynolds, P.L.A.

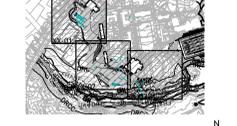
*F. Mitchell Ardman*  
**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
REG 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan



Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**GRADING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L4-02**

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LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
---	LIMIT OF WORK
<b>GRADING</b>	
1%	SLOPE
XXX.XX	SPOT ELEVATION
(XXX.XX)	EXISTING SPOT ELEVATION
TB	TOP AND BOTTOM OF BENCH
TC	TOP AND BOTTOM OF CURB
TF	TOP OF FOUNDATION
TR	TOP AND BOTTOM OF RAMP
TS	TOP AND BOTTOM OF STAIR
TW	TOP AND BOTTOM OF WALL
FFE	FINISHED FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
HPS	HIGH POINT OF SWALE
GR	INLET GRATE TOP ELEVATION
---	GRADE BREAK
---	SWALE
S	CONTOUR MAJOR
s	CONTOUR MINOR
RIM XX.XX	DRAIN INLET RIM ELEVATION
○	MANHOLE
○	EXISTING TREE TO REMAIN
○	TREE PROTECTION FENCE (SEE DEMO PLAN)
▨	ROOT PROTECTION ZONE. ALL DEMOLITION WITHIN DRIPLINE OF EXISTING TREE SHALL BE PERFORMED BY HAND IN ACCORDANCE WITH TOWNSHIP ORDINANCE 5541.G, TYP.

NOTE:  
REFER TO SHEET L0-01 FOR GRADING NOTES

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REG. 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

0' 10' 20' 40'

SCALE: 1" = 20'

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

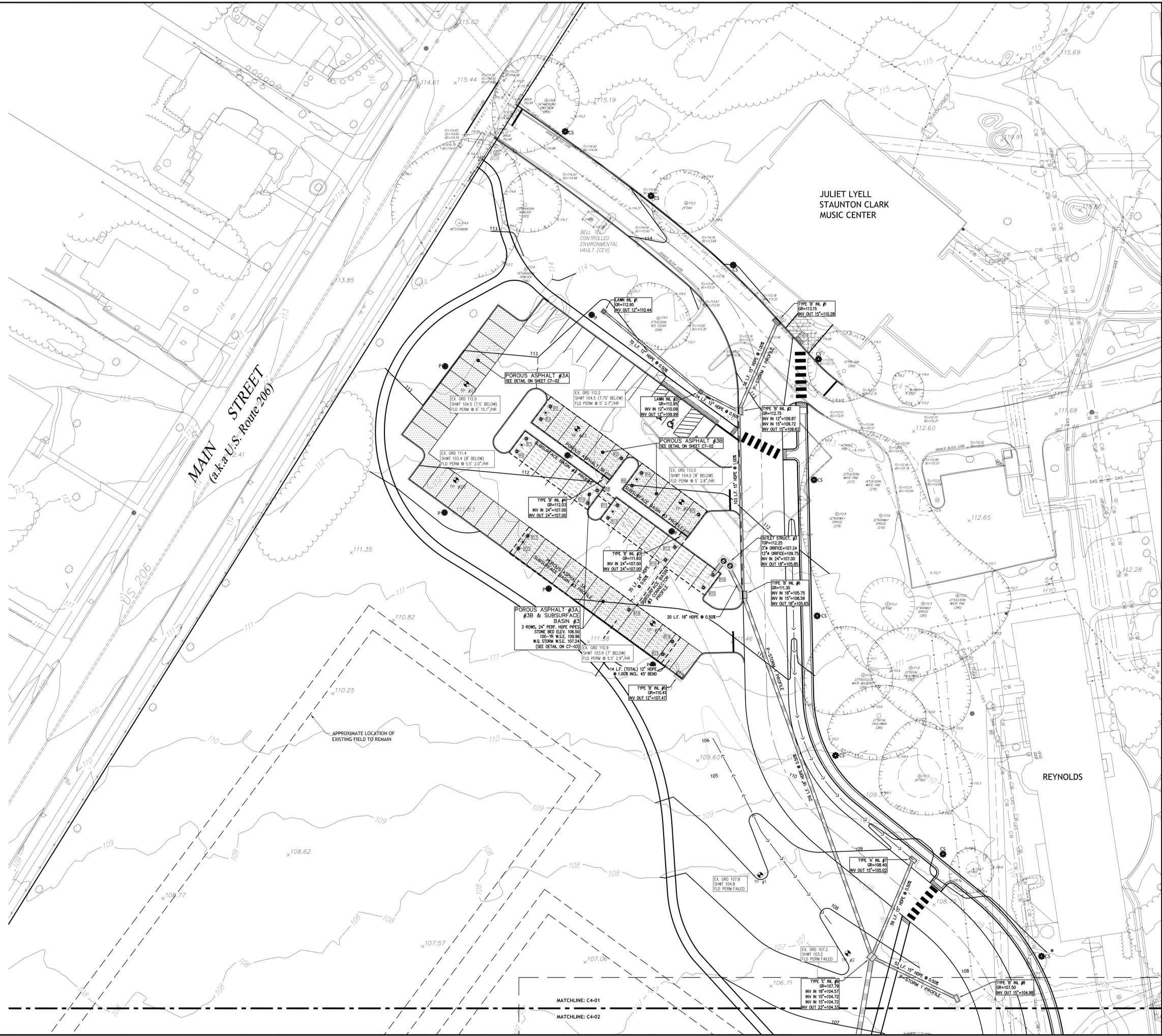
Drawing Title:  
**GRADING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L4-03**

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STRUCTURE NAME	DETAILS
R1	18" RISER RM = 112.60
R2	18" RISER RM = 112.22
R3	18" RISER RM = 112.48
R4	18" RISER RM = 112.11
R5	18" RISER RM = 111.80
R6	18" RISER RM = 112.00
R7	18" RISER RM = 112.31
R8	18" RISER RM = 111.53
R9	18" RISER RM = 112.19
R10	18" RISER RM = 111.82
R11	18" RISER RM = 111.82
R12	18" RISER RM = 111.51
R13	18" RISER RM = 111.71
R14	18" RISER RM = 111.60
R15	18" RISER RM = 111.20
R16	18" RISER RM = 111.51
R17	18" RISER RM = 111.49
R18	18" RISER RM = 110.95
R19	18" RISER RM = 110.72
R20	18" RISER RM = 111.58
R21	18" RISER RM = 110.60



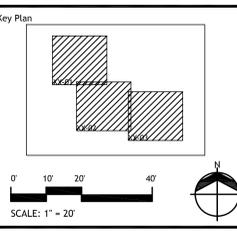
NOTE:  
REFER TO SASAKI PLAN SHEET (L4-01 TO L4-04)  
FOR GRADING PLANS

SYMBOL	DESCRIPTION
---	MISCELLANEOUS
---	LIMIT OF WORK
---	PROPERTY LINE
---	DRCC BOUNDARY
---	100 YEAR FLOOD LINE
---	HAZFD FEMA 100-YR + 1 FT)
---	WETLAND LINE
---	WETLAND BUFFER
---	RIPARIAN ZONE LINE
---	TEST PIT LOCATION
---	GAS VALVE
---	GAS METER
---	WATER VALVE
---	HYDRANT
---	WATER METER
---	CURB STOP
---	FIRE DEPT. CONNECTION
---	DRAINAGE INLET
---	CURB INLET
---	LAWN INLET
---	SANITARY INLET
---	CLEANOUT
---	BOLLARD
---	SIGN
---	LIGHT
---	MAIL BOX
---	GUY WIRE
---	UTILITY POLE
---	ELECTRIC INH
---	CONIFEROUS TREE
---	DECIDUOUS TREE
---	FENCE
---	RAILING
---	WALL
---	GATE POST
---	WATER LINE
---	GAS LINE
---	ELECTRIC LINE
---	SANITARY LINE
---	OVERHEAD WIRES
---	POROUS ASPHALT (TYP)

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL  
2500 Main Street, Lawrenceville  
NJ 08648**

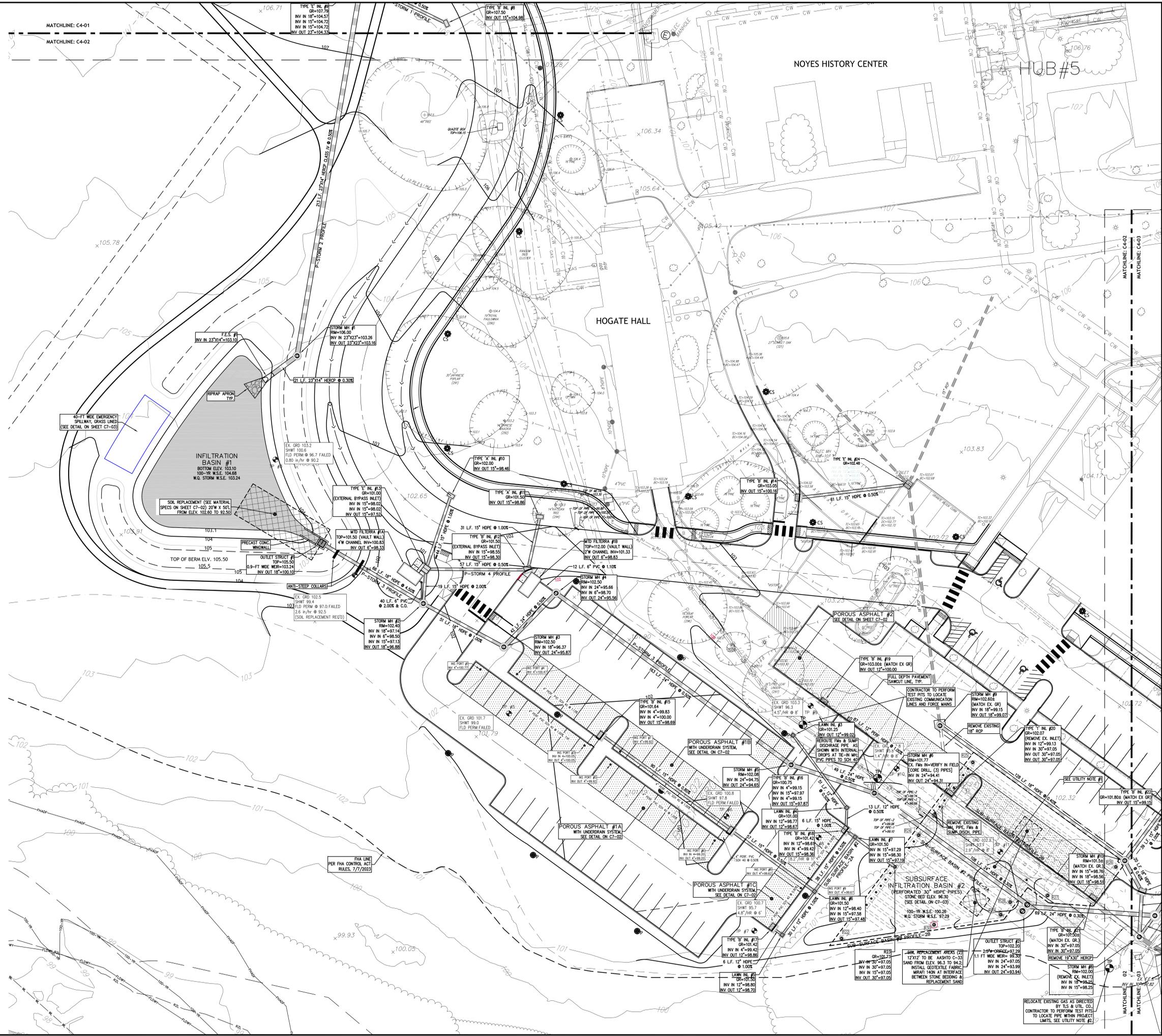
Drawing Title:

**DRAINAGE AND UTILITIES  
PLAN**

Project No: 28022.00 Scale:  
Drawn By: A.A.  
Checked By: FMA  
Approved By: FMA  
Date: 10/27/2023

Drawing No:

**C4-01**



MATCHLINE: C4-01  
MATCHLINE: C4-02

NOYES HISTORY CENTER

TUB #5

HOGATE HALL

INFILTRATION BASIN #1  
BOTTOM ELEV. 103.10  
100-YR W.S.E. 104.88  
W.Q. STORM W.S.E. 103.24

TOP OF BERM ELEV. 105.50

POROUS ASPHALT #2  
SEE DETAIL ON SHEET C7-02

POROUS ASPHALT #1A  
WITH UNDERDRAIN SYSTEM  
SEE DETAIL ON C7-02

POROUS ASPHALT #1B  
WITH UNDERDRAIN SYSTEM  
SEE DETAIL ON C7-02

POROUS ASPHALT #1C  
WITH UNDERDRAIN SYSTEM  
SEE DETAIL ON C7-02

SUBSURFACE INFILTRATION BASIN #2  
(PERFORATED 30" HOPE PIPES)  
STONE BED ELEV. 98.30  
100-YR W.S.E. 100.26  
W.Q. STORM W.S.E. 97.29

STRUCTURE NAME	DETAILS
R22	18" RISER RM = 102.20
R24	4" RISER RM = 101.93
R25	18" RISER RM = 102.98
R26	18" RISER RM = 101.80
R27	18" RISER RM = 101.50
R28	18" RISER RM = 101.50
R29	18" RISER RM = 102.20
R30	18" RISER RM = 101.50

**UTILITY NOTE:**  
1. EXISTING COMMUNICATION CONDUITS AND OTHER UNDERGROUND UTILITIES SHALL BE PROTECTED DURING CONSTRUCTION TO PROVIDE AN UNINTERRUPTED SERVICE TO THE SCHOOL. CONTRACTOR SHALL INCLUDE ON THE COST OF ADDITIONAL TEST PITS, PIPE SUPPORTS, SHORING, MATERIALS, LABOR, AND EQUIPMENT. THIS ALSO INCLUDES UTILITY PITS NOT SHOWN ON THE PLAN. THE CONTRACTOR SHALL SUBMIT PERFORATED HOPE PIPE UNDERGROUND DETENTION SYSTEM LAYOUT SHOWING LOCATIONS, DEPTHS AND SIZE OF EXISTING CONDUITS/UNDERGROUND PIPE FOR REVIEW BY THE ENGINEER. ALL THE ABOVE ITEMS SHALL BE INCLUDED IN THE BID.  
2. EXISTING GAS MAIN SHALL BE RELOCATED WITHIN THE HATCHED AREA SHOWN ON THE PLAN. IF GAS MAIN WILL BE RELOCATED PRIOR TO THE CONSTRUCTION OF THE UNDERGROUND BASIN, THE CONTRACTOR SHALL PROTECT THE RELOCATED GAS MAIN WITHOUT ADDITIONAL COST TO THE OWNER INCLUDING LABOR, EQUIPMENT AND MATERIALS. GAS MAIN SAND BEDDING SHALL BE WRAPPED WITH GEOTEXTILE FABRIC AS DIRECTED BY UTILITY COMPANY OR BY THE ENGINEER.

**NOTE:**  
REFER TO SASAKI PLAN SHEET (L4-01 TO L4-04) FOR GRADING PLANS

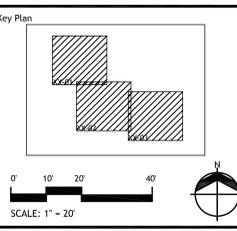
**LEGEND**

SYMBOL	DESCRIPTION
---	MISCELLANEOUS
---	LIMIT OF WORK
---	PROPERTY LINE
---	DRCC BOUNDARY
---	100 YEAR FLOOD LINE
---	FHA/FI FEMA 100-YR + 1 FT)
---	WETLAND LINE
---	WETLAND BUFFER
---	RIPARIAN ZONE LINE
---	TEST PIT LOCATION
---	GAS VALVE
---	GAS METER
---	WATER VALVE
---	HYDRANT
---	WATER METER
---	CURB STOP
---	FIRE DEPT. CONNECTION
---	ORANGE HW
---	CURB INLET
---	LAWN INLET
---	SANITARY HW
---	CLEANOUT
---	BOLLARD
---	SIGN
---	LIGHT
---	MAIL BOX
---	GUY WIRE
---	UTILITY POLE
---	ELECTRIC HW
---	CONIFEROUS TREE
---	DECIDUOUS TREE
---	FENCE
---	RAILING
---	WALL
---	GATE POST
---	WATER LINE
---	GAS LINE
---	ELECTRIC LINE
---	SANITARY LINE
---	OVERHEAD WIRES
---	POROUS ASPHALT (TYP)

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

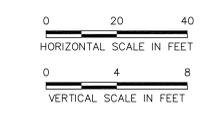
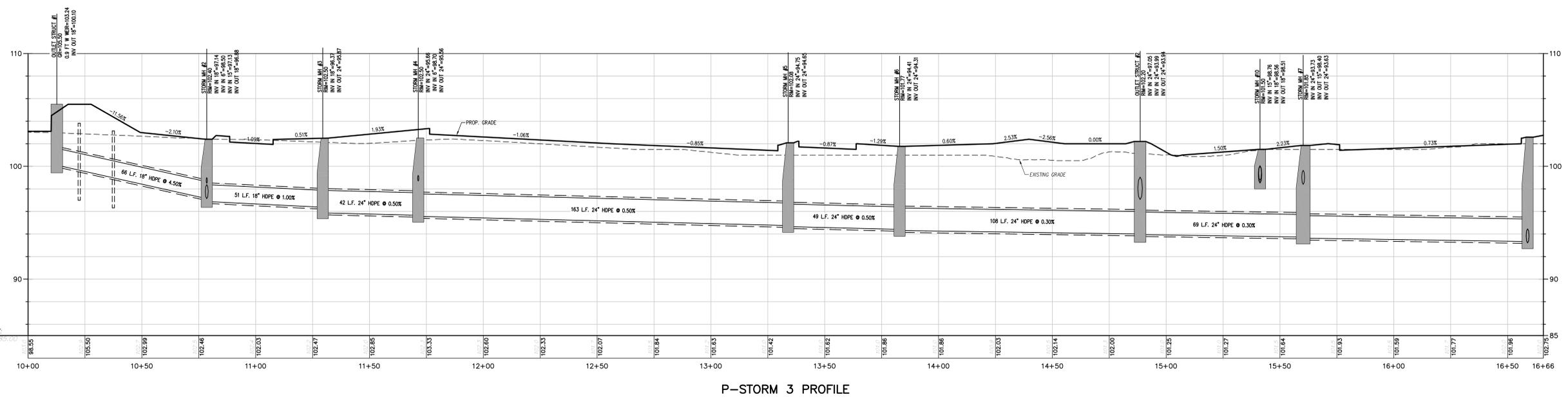
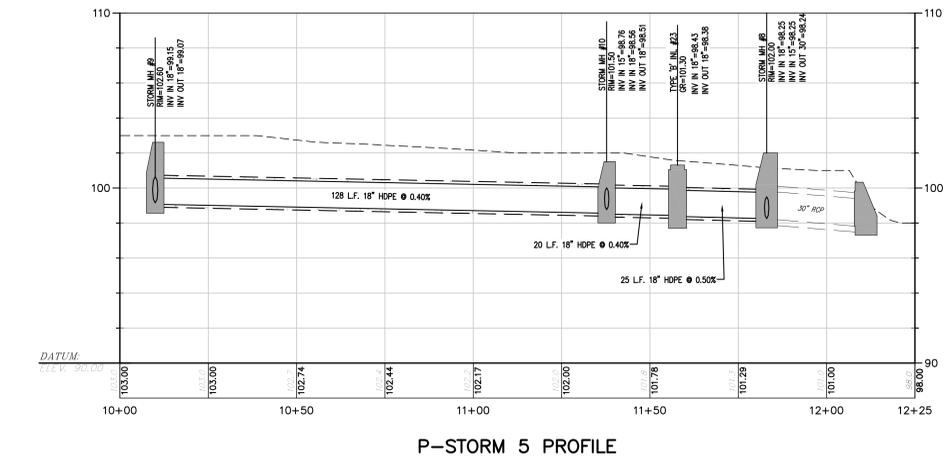
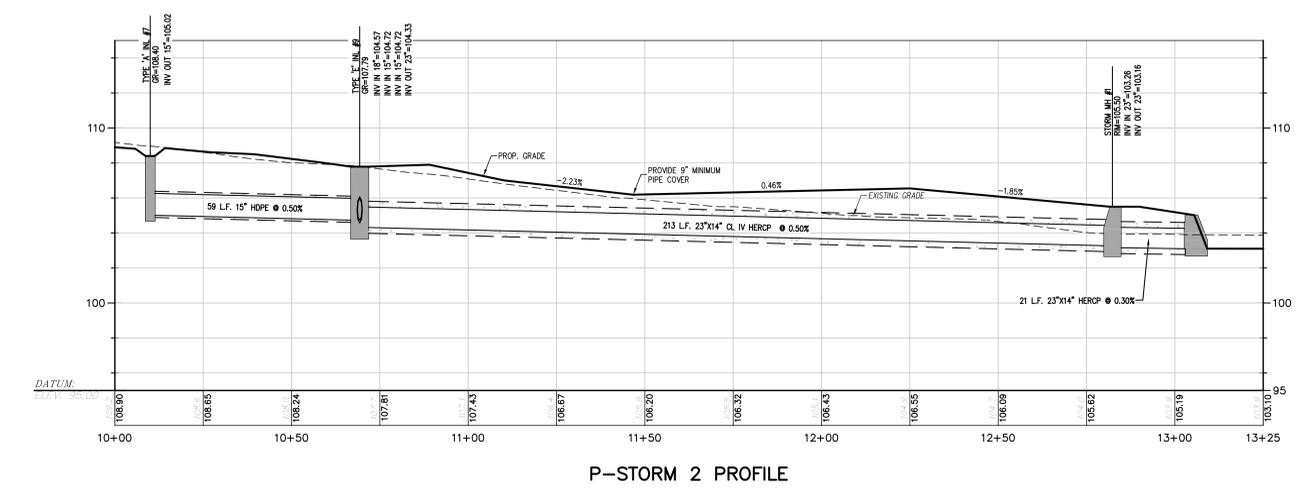
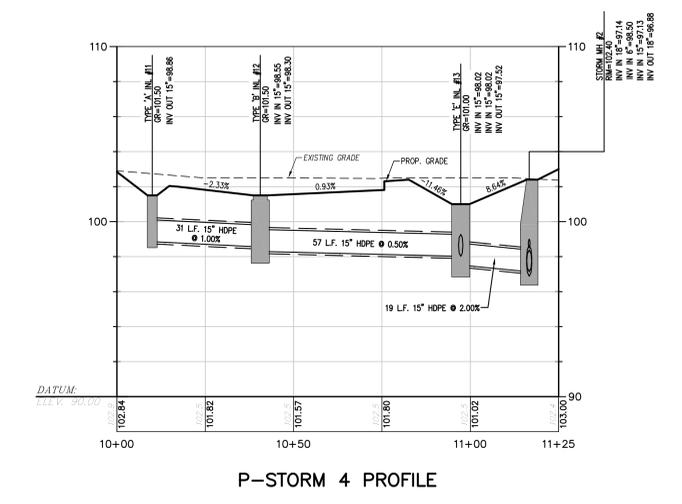
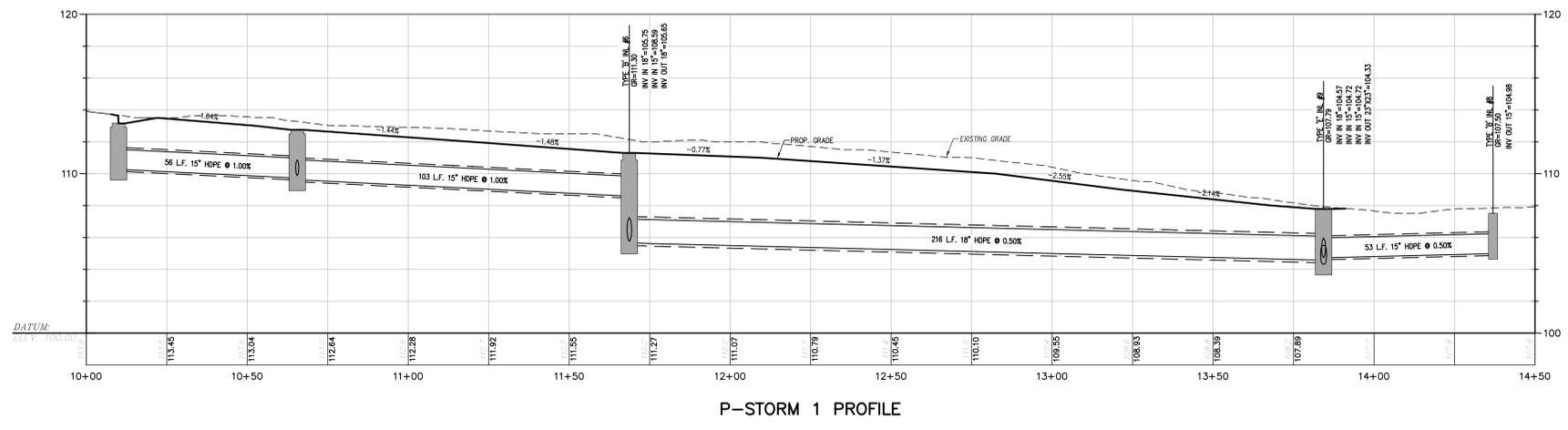
**THE LAWRENCEVILLE SCHOOL  
2500 Main Street, Lawrenceville  
NJ 08648**

Drawing Title:  
**DRAINAGE AND UTILITIES  
PLAN**

Project No: 28022.00  
Scale:  
Drawn By: A.A.  
Checked By: F.M.A.  
Approved By: F.M.A.  
Date: 10/27/2023

Drawing No:  
**C4-02**

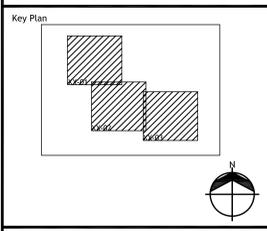




**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



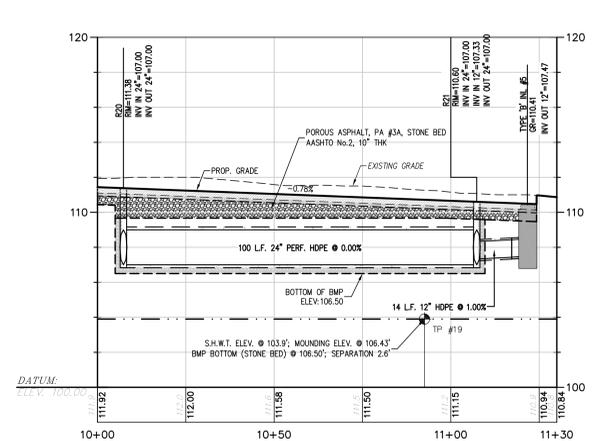
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

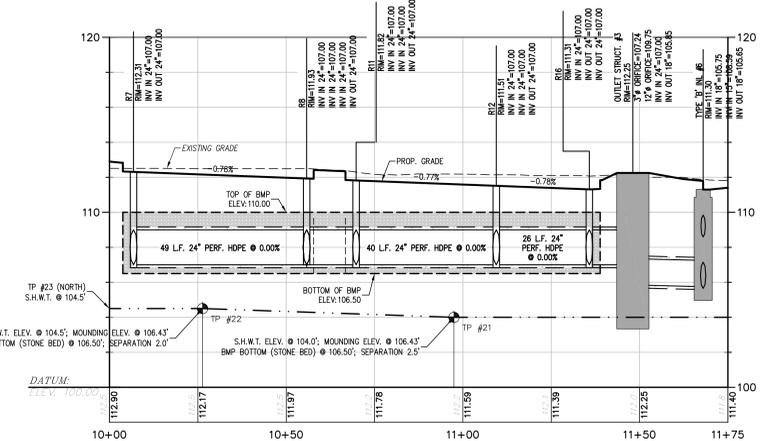
Drawing Title:  
**STORM PROFILES**

Project No: 28022.00 Scale:  
Drawn By: A.A.  
Checked By: FMA  
Approved By: FMA  
Date: 10/27/2023

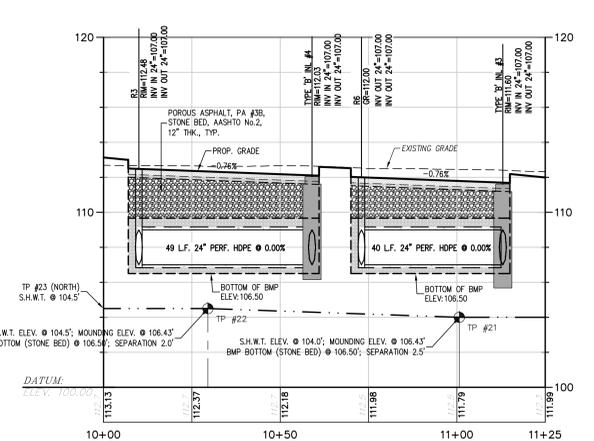
Drawing No: **C4-04**



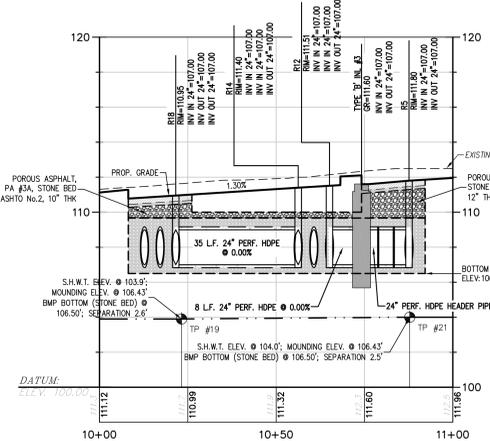
POROUS ASPHALT 3A SUBSURFACE BASIN #3 PROFILE



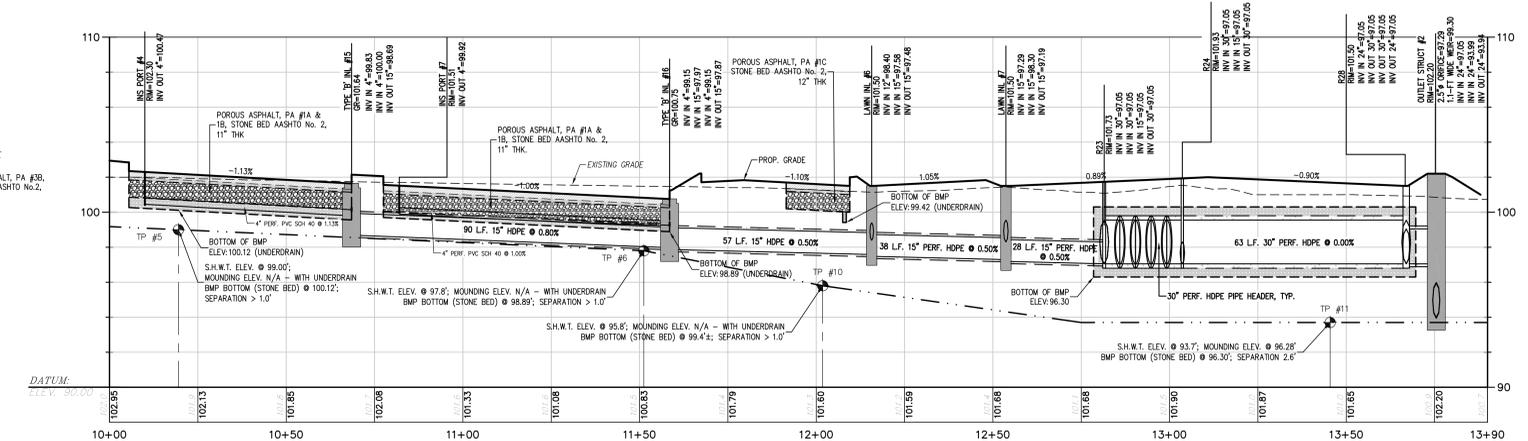
SUBSURFACE BASIN #3 PROFILE



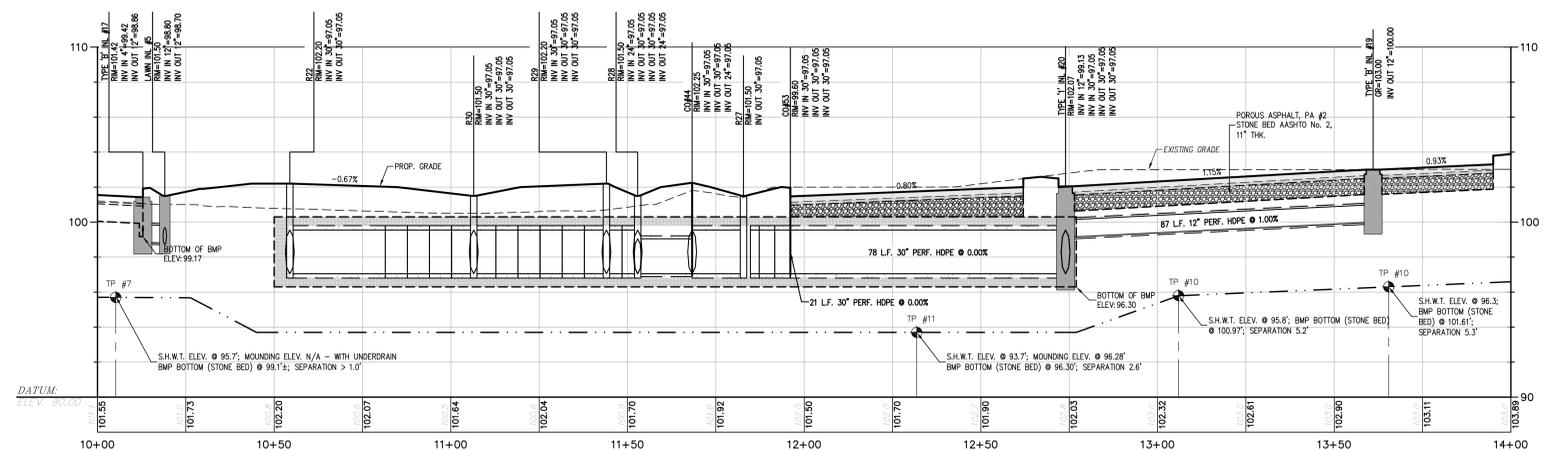
POROUS ASPHALT 3B SUBSURFACE BASIN #3 PROFILE



SUBSURFACE BASIN #3 CONNECTOR PROFILE



POROUS ASPHALT #1 & #2-SUBSURFACE BASIN #2 PROFILE

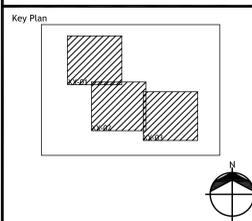


SUB-SURFACE BASIN #2 PROFILE-2B PROFILE

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



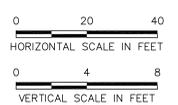
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

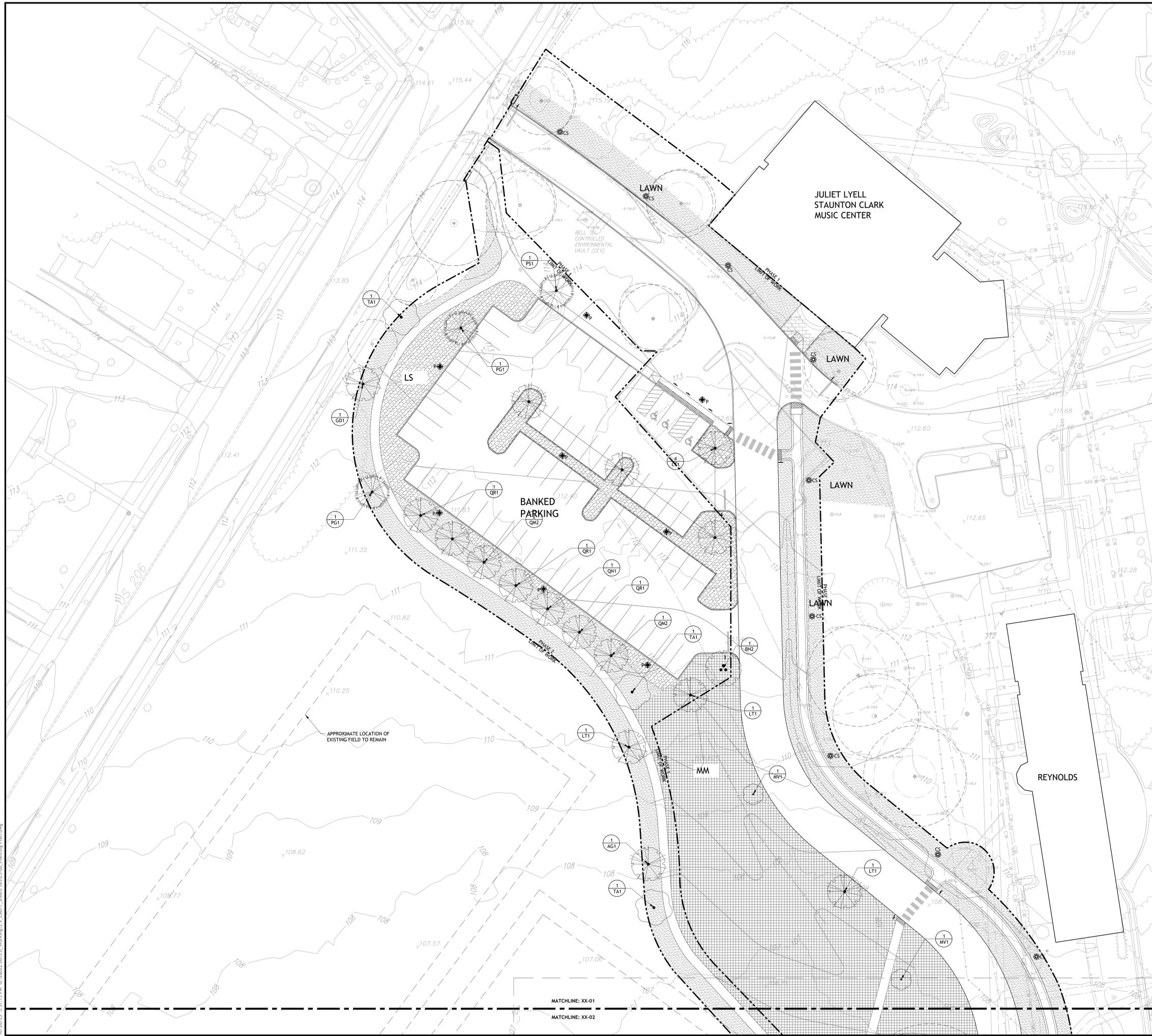
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**BASIN PROFILES**

Project No: 28022.00 Scale:  
Drawn By: A.A.  
Checked By: FMA  
Approved By: FMA  
Date: 10/27/2023

Drawing No: **C4-05**





LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
	LIMIT OF WORK
	LIMIT OF BIO-RETENTION BASIN
	FUTURE PHASE, NOT IN SCOPE
<b>PLANTING</b>	
	EXISTING TREE TO REMAIN AND BE PROTECTED
	PROPOSED SHADE TREE
	PROPOSED MULTI-STEM
	PROPOSED EVERGREEN TREE
	MEADOW MIX
	CAREX PENNSYLVANICA, SEEDED
	LOW SHRUB MIX
	SEEDED LAWN, TYP.

NOTE:  
ALL DISTURBED AREAS SHALL BE LOAMED AND RESEEDED WITH LAWN SEED UNLESS OTHERWISE NOTED.  
REFER TO SHEET L5-04 FOR PLANTING LIST

**SASAKI**  
110 CHAUNCEY STREET, SUITE 200, BOSTON MA 02111  
P 617 926 8900 F 617 924 2748 W SASAKI.COM

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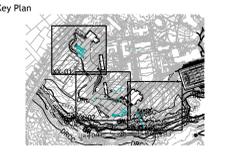
F. MITCHEL ARDMAN, P.E., P.P.  
Jeffrey D. Reynolds, P.L.A.

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**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
REG 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

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Project Title:  
**THE LAWRENCEVILLE SCHOOL  
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**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

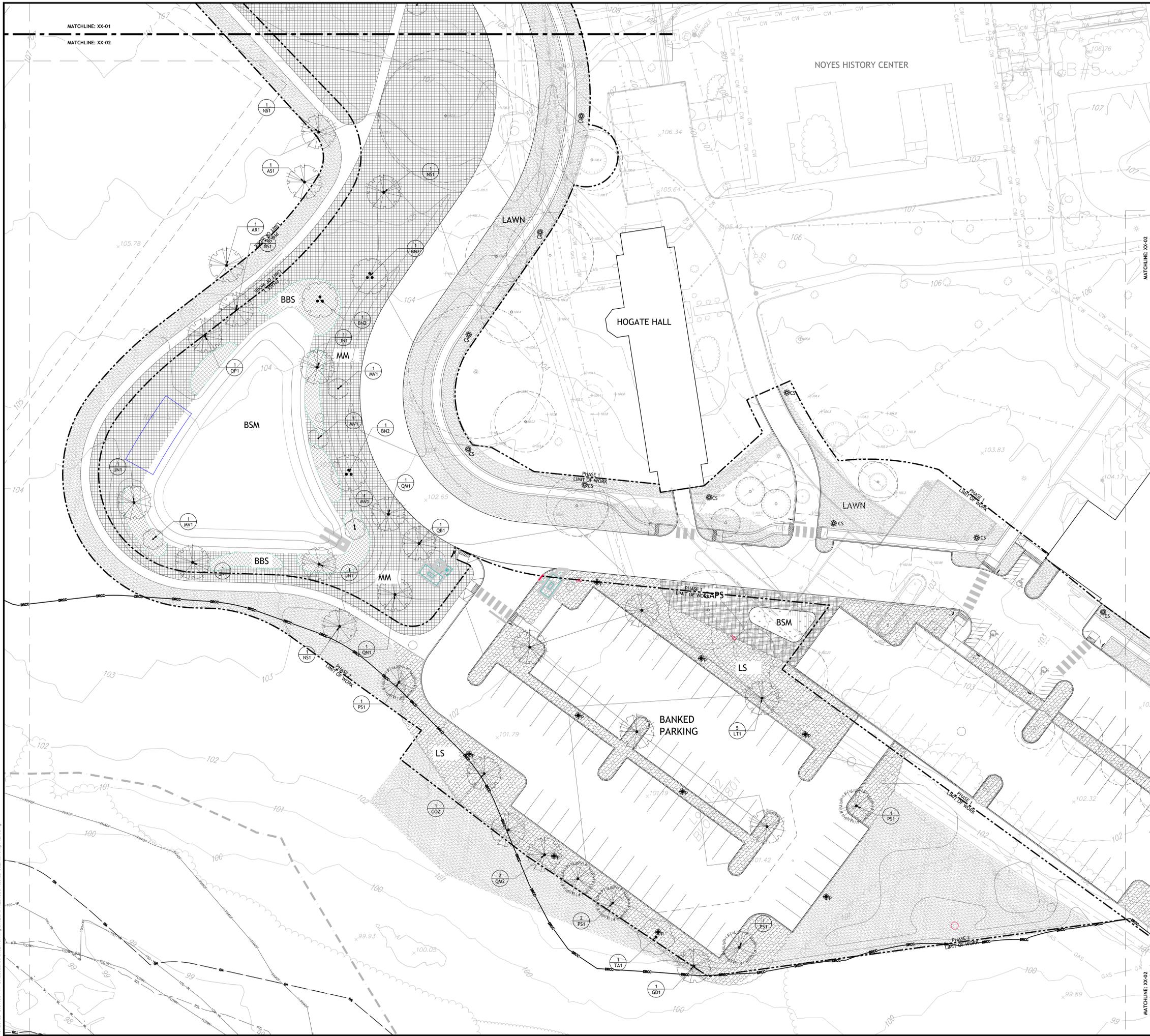
Drawing Title:  
**PLANTING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L5-01**

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MATCHLINE: XX-01  
MATCHLINE: XX-02



LEGEND	
SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
	LIMIT OF WORK
	LIMIT OF BIO-RETENTION BASIN
	FUTURE PHASE, NOT IN SCOPE
<b>PLANTING</b>	
	EXISTING TREE TO REMAIN AND BE PROTECTED
	PROPOSED SHADE TREE
	PROPOSED MULTI-STEM
	PROPOSED EVERGREEN TREE
	MEADOW MIX
	CAREX PENNSYLVANICA, SEEDED
	LOW SHRUB MIX
	SEEDED LAWN, TYP.

NOTE:  
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REFER TO SHEET L5-04 FOR PLANTING LIST

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Jeffrey D. Reynolds, P.L.A.

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N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
REG. 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**PLANTING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L5-02**

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SYMBOL	DESCRIPTION
<b>MISCELLANEOUS</b>	
	LIMIT OF WORK
	LIMIT OF BIO-RETENTION BASIN
	FUTURE PHASE, NOT IN SCOPE
<b>PLANTING</b>	
	EXISTING TREE TO REMAIN AND BE PROTECTED
	PROPOSED SHADE TREE
	PROPOSED MULTI-STEM
	PROPOSED EVERGREEN TREE
	MEADOW MIX
	CAREX PENNSYLVANICA, SEEDED
	LOW SHRUB MIX
	SEEDED LAWN, TYP.

NOTE:  
ALL DISTURBED AREAS SHALL BE LOAMED AND RESEEDED WITH LAWN SEED UNLESS OTHERWISE NOTED.  
REFER TO SHEET L5-04 FOR PLANTING LIST

**SASAKI**  
110 CHAUNCEY STREET, SUITE 200, BOSTON MA 02111  
P 617 926 8300 F 617 924 2748 W SBASAKI.COM

**The Reynolds Group Inc.**  
Engineers  
Landscape Architects  
Land Surveyors  
Planners  
575 Route 28, Suite 110  
Raritan, N.J. 08869  
908-722-1500  
908-722-7035  
Fax 908-722-7035  
www.reynoldsgroup.com

State of New Jersey  
Certificate of Authorization  
Number 24CA27869200  
21M00004300

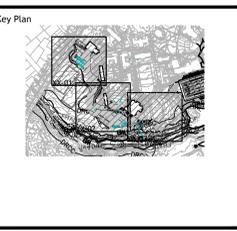
F. Mitchel Ardmán, P.E., P.P.  
Jeffrey D. Reynolds, P.L.A.

*F. Mitchel Ardmán*  
**F. MITCHEL ARDMAN**  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
REG # 22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp
-------



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**PLANTING PLAN**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No: **L5-03**

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PLANT SCHEDULE				
TREES	QTY	BOTANICAL / COMMON NAME	SIZE	
AR1	1	Acer rubrum / Red Maple	3-3.5" cal.	
AS1	1	Acer saccharum / Sugar Maple	3-3.5" cal.	
AG1	1	Aesculus glabra / Ohio Buckeye	3-3.5" cal.	
BN3	6	Betula nigra / River Birch - Singlestem*	3-3.5" cal.	
BN2	4	Betula nigra / River Birch Multi-Trunk	8`-10` HT.	
CO2	1	Celtis occidentalis / Common Hackberry	3-3.5" cal.	
GD1	2	Gymnocladus dioica / Kentucky Coffeetree	3-3.5" cal.	
JN1	4	Juglans nigra / Black Walnut	2"-2.5" cal.	
LT1	12	Liriodendron tulipifera / Tulip Tree	3-3.5" cal.	
MV1	6	Magnolia virginiana / Sweet Bay	2"-2.5" cal.	
NS1	4	Nyssa sylvatica / Sour Gum	3-3.5" cal.	
PG1	2	Picea glauca / White Spruce	8`-10` HT.	
PS1	6	Pinus strobus / White Pine	8`-10` HT.	
QB1	1	Quercus bicolor / Swamp White Oak	3-3.5" cal.	
QM1	1	Quercus macrocarpa / Burr Oak	2.5"-3" cal.	
QM2	5	Quercus montana / Chestnut Oak	3-3.5" cal.	
QN1	2	Quercus nigra / Water Oak	3-3.5" cal.	
QP1	1	Quercus phellos / Willow Oak	3-3.5" cal.	
QR1	3	Quercus rubra / Red Oak	3-3.5" cal.	
TA1	4	Tilia americana / American Linden*	3-3.5" cal.	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
CAPS	2,167	Carex pensylvanica / Pennsylvania Sedge	Plugs	12" o.c.

UNDERSTORY

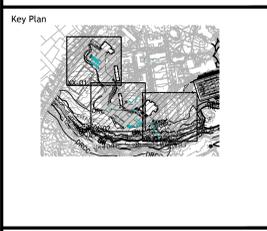
	<b>LOW SHRUB</b>	PHASE 1: 3,163 sf. PHASE 2: 19,230 sf.
	<b>BIORETENTION BASIN MIX (ERNMIX-127)</b>	ALL IN PHASE 1: 472 sf.
	<b>SEEDED LAWN</b>	PHASE 1: 29,336 sf. PHASE 2: 22,488 sf.
	<b>MEADOW MIX (ERNMIX-123)</b>	ALL IN PHASE 1: 40,150 sf.
	<b>BIOSWALE BORDER SHRUB</b> Sambucus canadensis / American Elderberry	ALL IN PHASE 1: 3,052 sf

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**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

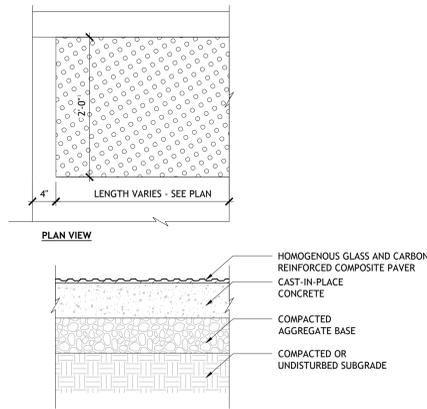


Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**  
  
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

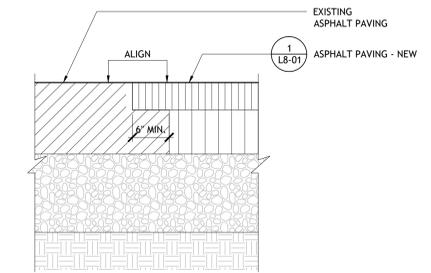
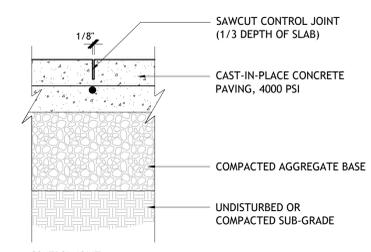
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**PLANTING SCHEDULE**

Project No: 28022.00 Scale: 1"=20'-0"  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

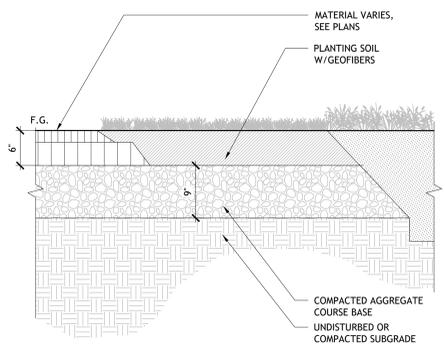
Drawing No: **L5-04**



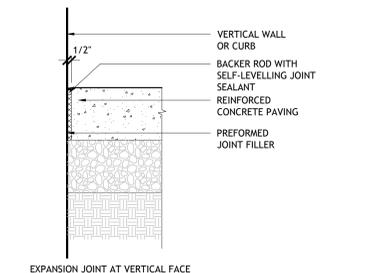
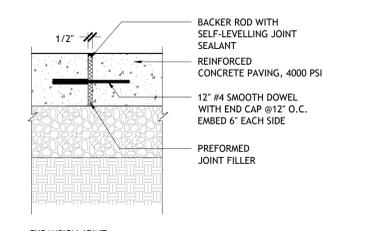
**10** DETECTABLE WARNING PAVER, TYP.  
1" = 1'-0"



**3** ASPHALT PAVING (MEET AT EXISTING)  
1" = 1'-0"

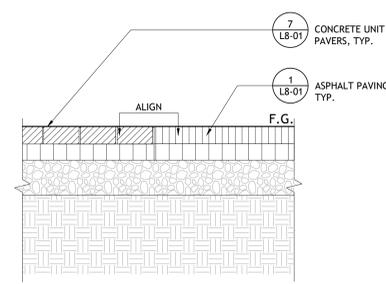


**9** REINFORCED TURF, TYP.  
1" = 1'-0"

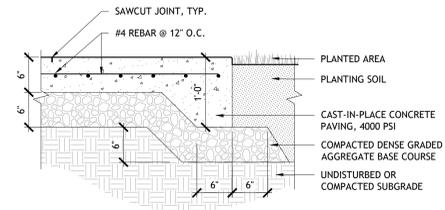


NOTE:  
1. REFER TO LAYOUT PLAN FOR SPACING.  
2. JOINT SEALANT COLOR SHALL MATCH COLOR OF CONCRETE AND BE APPROVED BY ARCHITECT.

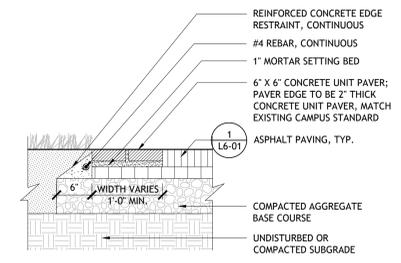
**6** CAST-IN-PLACE CONCRETE PAVING JOINTS  
N.T.S.



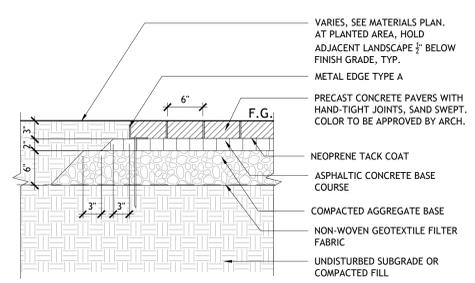
**8** CONCRETE UNIT PAVERS AT ASPHALT PAVING  
1" = 1'-0"



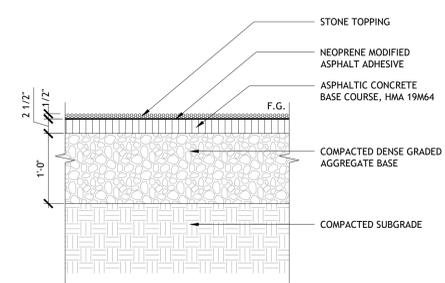
**5** CAST-IN-PLACE CONCRETE PAVING, TYP.  
1" = 1'-0"



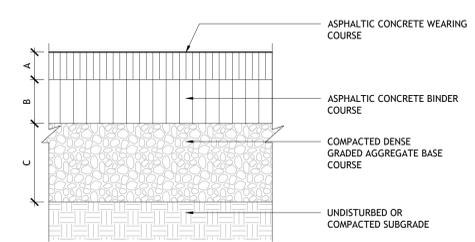
**2** CONCRETE UNIT PAVER EDGING AT ASPHALT PAVING, TYP.  
1" = 1'-0"



**7** CONCRETE UNIT PAVERS, TYP.  
1" = 1'-0"



**4** ASPHALTIC CHIPSEAL PAVING, TYP.  
1" = 1'-0"



	A	B	C
PEDESTRIAN	3"	2"	6"
VEHICULAR	3"	5"	8"

**1** ASPHALT PAVING, TYP.  
1" = 1'-0"

NOTE:  
1. ASPHALT PAVING SHALL BE PER CAMPUS STANDARD.

### LAND USE PERMIT SET

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL  
2500 Main Street, Lawrenceville  
NJ 08648**

Drawing Title:  
**SITE DETAILS - PAVING**

Project No: 28022.00 Scale: AS NOTED  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L6-01**

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

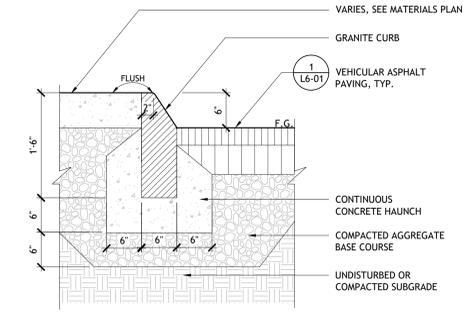
Key Plan

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
 CAMPUS DRIVE WEST**  
**THE LAWRENCEVILLE SCHOOL**  
 2500 Main Street, Lawrenceville  
 NJ 08648

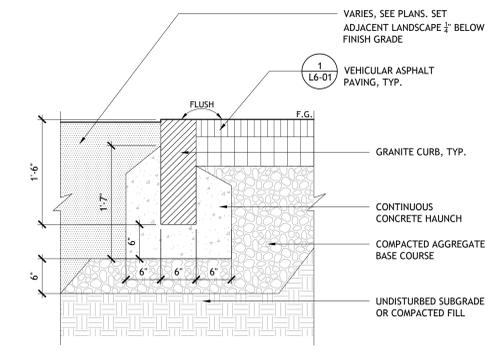
Drawing Title:  
**SITE DETAILS - EDGING,  
 CURB RAMPS**

Project No: 28022.00 Scale: AS NOTED  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

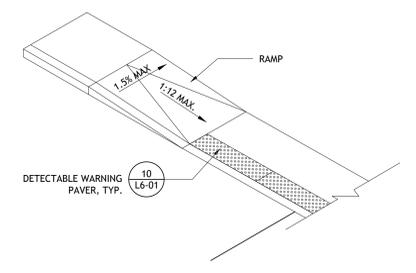
Drawing No:  
**L6-02**



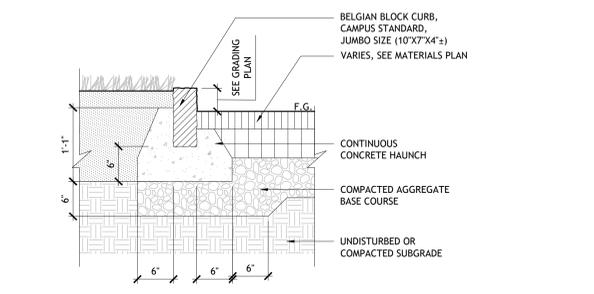
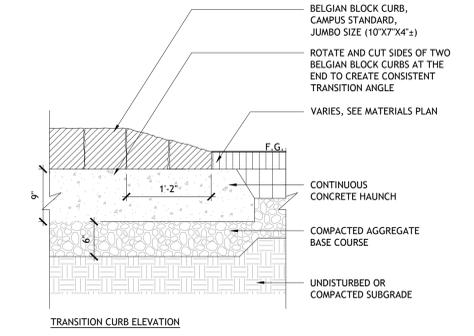
**3 MOUNTABLE GRANITE CURB, TYP.**  
 1" = 1'-0"



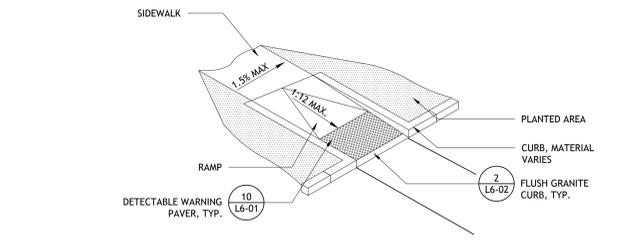
**2 FLUSH GRANITE CURB, TYP.**  
 1" = 1'-0"



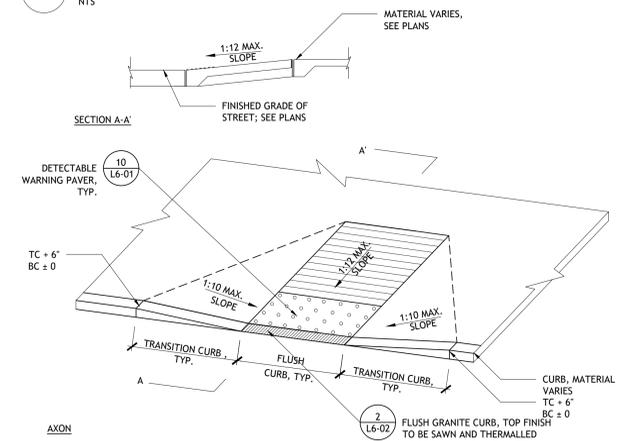
**6 CURB RAMP: TYPE C, TYP.**  
 N.T.S.



**1 BELGIAN BLOCK CURB, TYP. CAMPUS STANDARD**  
 1" = 1'-0"



**5 CURB RAMP: TYPE B, TYP.**  
 N.T.S.



**4 CURB RAMP: TYPE A, TYP.**  
 N.T.S.

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

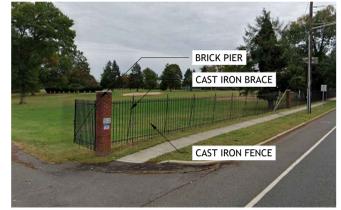
Key Plan

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
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**THE LAWRENCEVILLE SCHOOL**  
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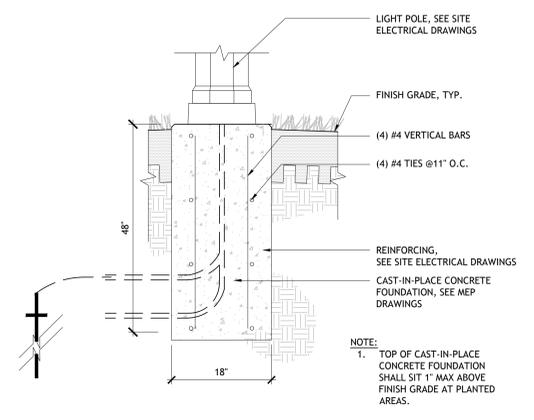
Drawing Title:  
**SITE DETAILS -  
 FURNISHINGS**

Project No: 28022.00 Scale: AS NOTED  
 Drawn By: SH, JH  
 Checked By: RM  
 Approved By: AG  
 Date: 10/27/2023

Drawing No:  
**L6-03**



**3 EXISTING FENCE, TYP.**  
 NTS

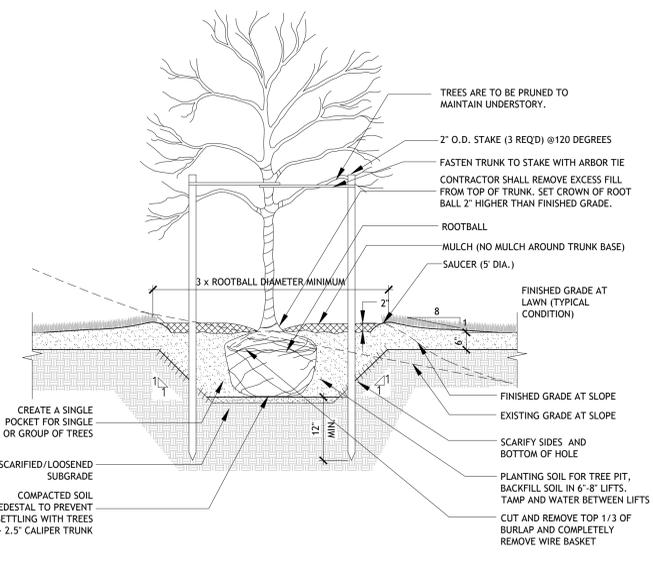


**2 LIGHT POLE BASE, TYP.**  
 NTS

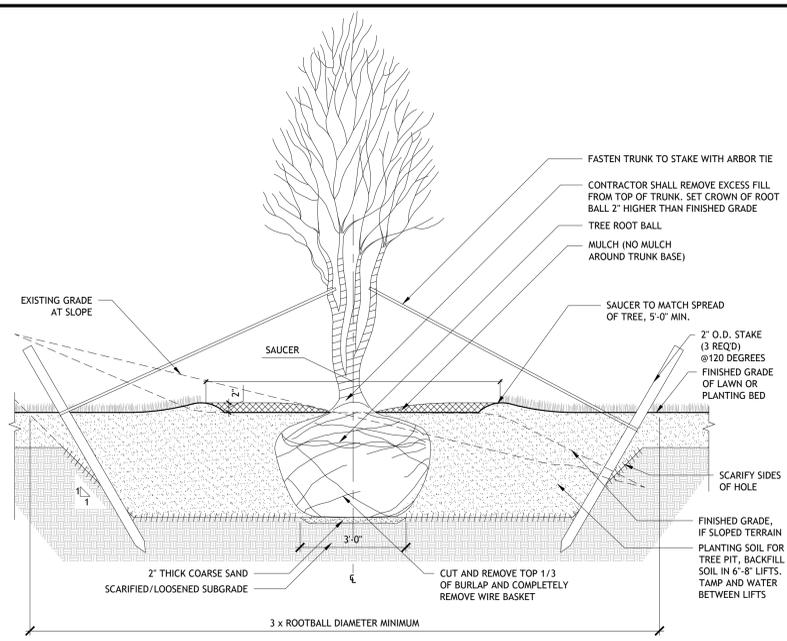


NOTE  
 SEE MATERIALS PLAN FOR SURFACE.

**1 TRASH AND RECYCLING RECEPTACLE, TYP.**  
 NTS

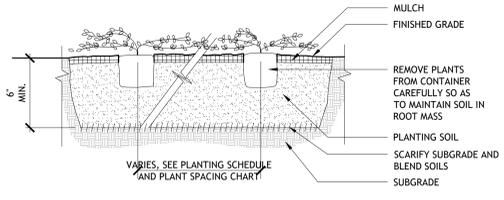


**2** DECIDUOUS TREE PLANTING, TYP.  
N.T.S.

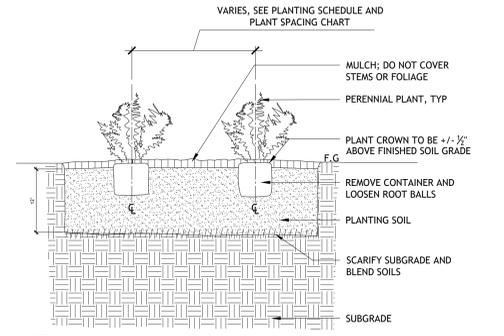


**4** MULTISTEM TREE PLANTING, TYP.  
N.T.S.

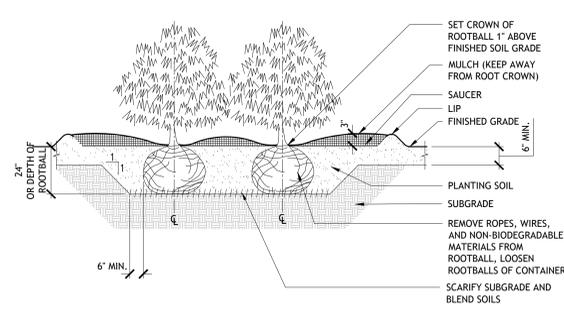
- NOTES:
- SET TREE TRUNK PLUMB VERTICAL.
  - MULCH SHALL NOT COVER BASE OF TREE TRUNK.
  - FOLLOW MANUFACTURER INSTRUCTIONS FOR ARBOR TIE INSTALLATION.



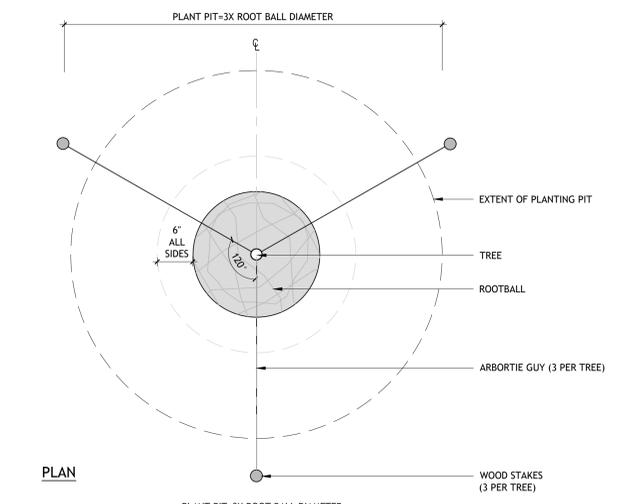
**7** GROUNDCOVER PLANTING, TYP.  
N.T.S.



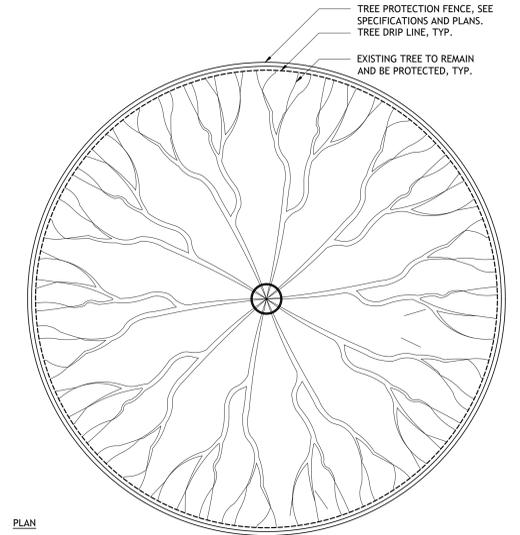
**6** PERENNIAL PLANTING, TYP.  
1"=1'-0"



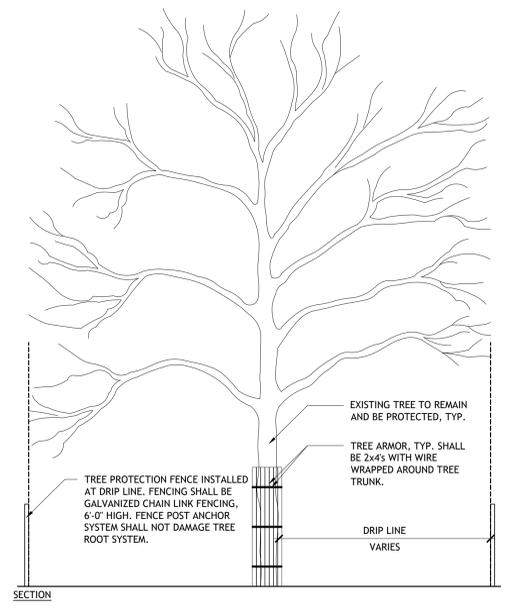
**5** SHRUB PLANTING  
N.T.S.



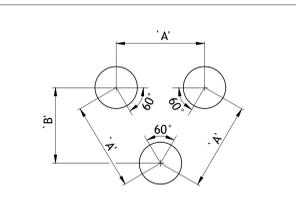
**3** EVERGREEN TREE PLANTING  
1"=1'-0"



**1** TREE PROTECTION FENCING, TYP.  
1/2"=1'-0"



- NOTES:
1. LANDSCAPE ARCHITECT TO APPROVE FINAL TREE AND SHRUB PROTECTION FENCING IN FIELD PRIOR TO CONSTRUCTION.
  2. CONTRACTOR SHALL REFER TO THE TOWNSHIP OF LAWRENCE TREE PROTECTION ORDINANCE, SEC. 541.G OF LAND USE ORDINANCE FOR ADDITIONAL DETAILS.



PLANT SPACING ('A')	ROW SPACING ('B')
6 IN. O.C.	5 IN. O.C.
8 IN. O.C.	7 IN. O.C.
10 IN. O.C.	8-1/2 IN. O.C.
12 IN. O.C.	10-1/2 IN. O.C.
15 IN. O.C.	13 IN. O.C.
18 IN. O.C.	16 IN. O.C.
24 IN. O.C.	21 IN. O.C.
30 IN. O.C.	26 IN. O.C.
36 IN. O.C.	30 IN. O.C.
48 IN. O.C.	42 IN. O.C.
54 IN. O.C.	48 IN. O.C.
60 IN. O.C.	54 IN. O.C.

**8** GROUNDCOVER SPACING CHART  
N.T.S.

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

Key Plan

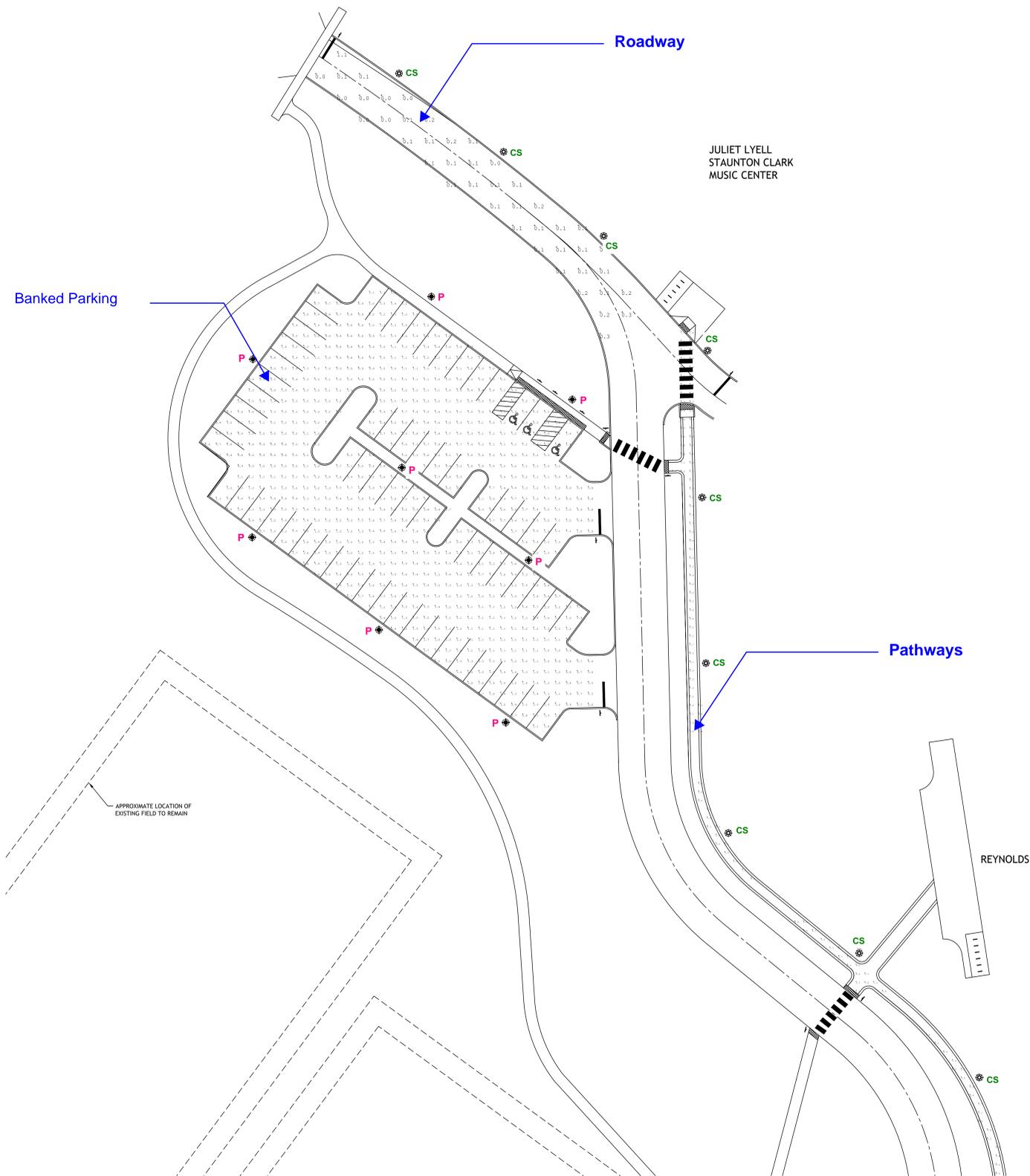
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

**SITE DETAILS -  
PLANTING**

Project No: 28022.00 Scale: AS NOTED  
Drawn By: SH, JH  
Checked By: RM  
Approved By: AG  
Date: 10/27/2023

Drawing No:  
**L6-04**



## Lighting Statistics

**Parking 1  
Illuminance (Fc)**  
Average=1.44  
Minimum=0.5  
Avg/Min=2.88

**Parking 2  
Illuminance (Fc)**  
Average=1.35  
Minimum=0.5  
Avg/Min=2.70

**Pathways  
Illuminance (Fc)**  
Average=1.40  
Minimum=0.4  
Avg/Min=3.50

**Pathways\_2  
Illuminance (Fc)**  
Average=1.46  
Minimum=0.4  
Avg/Min=3.65

**Pathways\_3  
Illuminance (Fc)**  
Average=1.26  
Minimum=0.4  
Avg/Min=3.15



Not for bidding or construction unless fully incorporated into contract documents by Architect and/or Engineer.



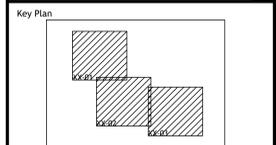
**SASAKI**  
110 CHAUNCEY STREET, SUITE 200, BOSTON MA 02111  
P 617 926 9900 F 617 924 2748 W SASAKI.COM

**Lam**  
Partners

### LAND USE PERMIT SET

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



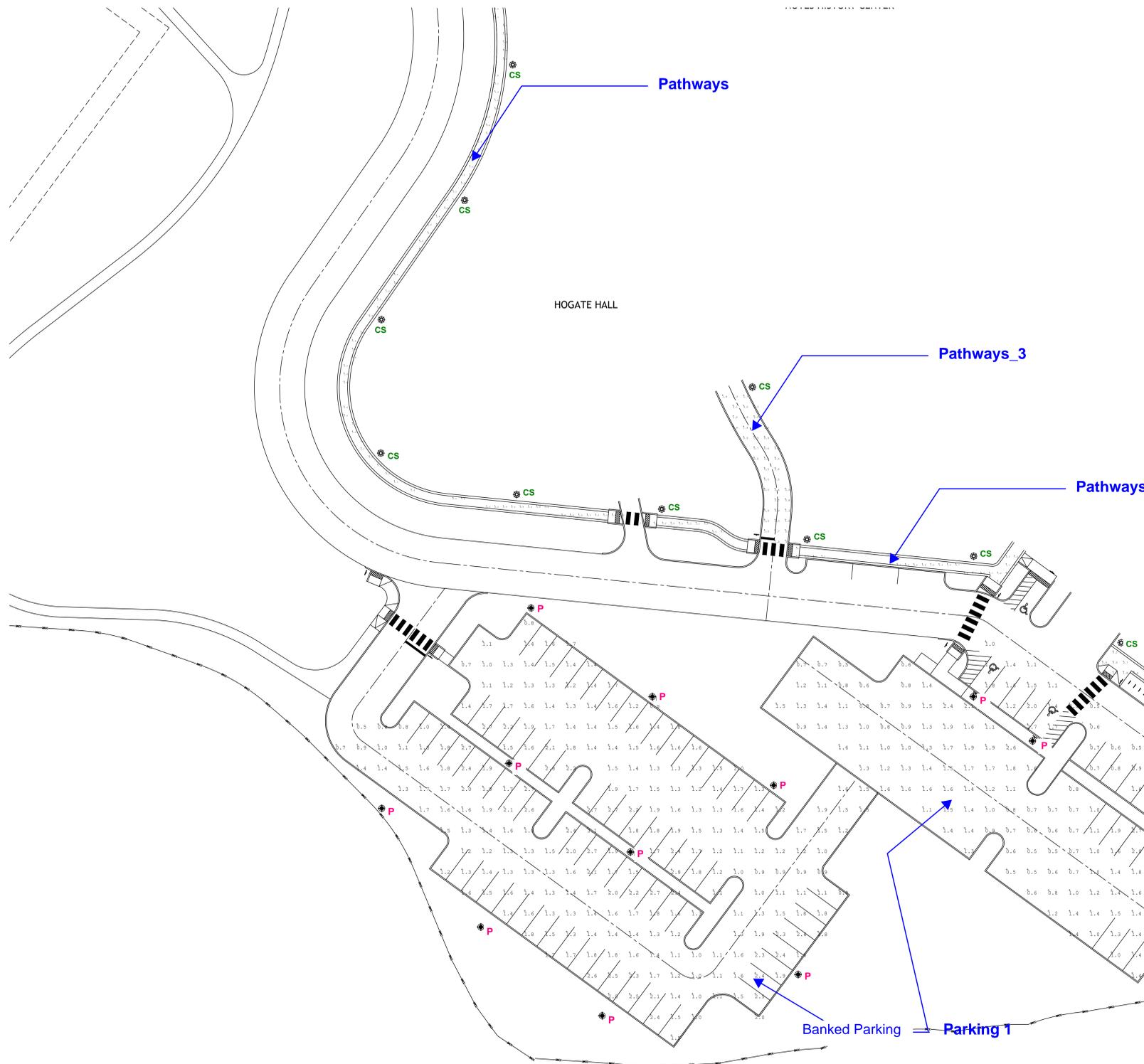
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**LIGHTING PLAN**

Project No: 28022.00 Scale: 1/2" = 1' 0"  
Drawn By: ST  
Checked By: AH  
Approved By: GH  
Date: 10/27/2023

Drawing No: **L7-01**



### Lighting Statistics

**Parking 1  
Illuminance (Fc)**  
Average=1.44  
Minimum=0.5  
Avg/Min=2.88

**Parking 2  
Illuminance (Fc)**  
Average=1.35  
Minimum=0.5  
Avg/Min=2.70

**Pathways  
Illuminance (Fc)**  
Average=1.40  
Minimum=0.4  
Avg/Min=3.50

**Pathways\_2  
Illuminance (Fc)**  
Average=1.46  
Minimum=0.4  
Avg/Min=3.65

**Pathways\_3  
Illuminance (Fc)**  
Average=1.26  
Minimum=0.4  
Avg/Min=3.15



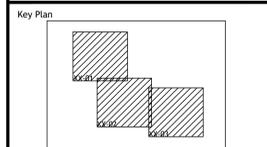
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LAND USE PERMIT SET

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**  
  
THE LAWRENCEVILLE SCHOOL  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**LIGHTING PLAN**

Project No: 28022.00 Scale: 1/2" = 1' 0"  
Drawn By: ST  
Checked By: AH  
Approved By: GH  
Date: 10/27/2023

Drawing No: **L7-02**

# Lighting Statistics

**Parking 1  
Illuminance (Fc)**  
Average=1.44  
Minimum=0.5  
Avg/Min=2.88

**Parking 2  
Illuminance (Fc)**  
Average=1.35  
Minimum=0.5  
Avg/Min=2.70

**Pathways  
Illuminance (Fc)**  
Average=1.40  
Minimum=0.4  
Avg/Min=3.50

**Pathways\_2  
Illuminance (Fc)**  
Average=1.46  
Minimum=0.4  
Avg/Min=3.65

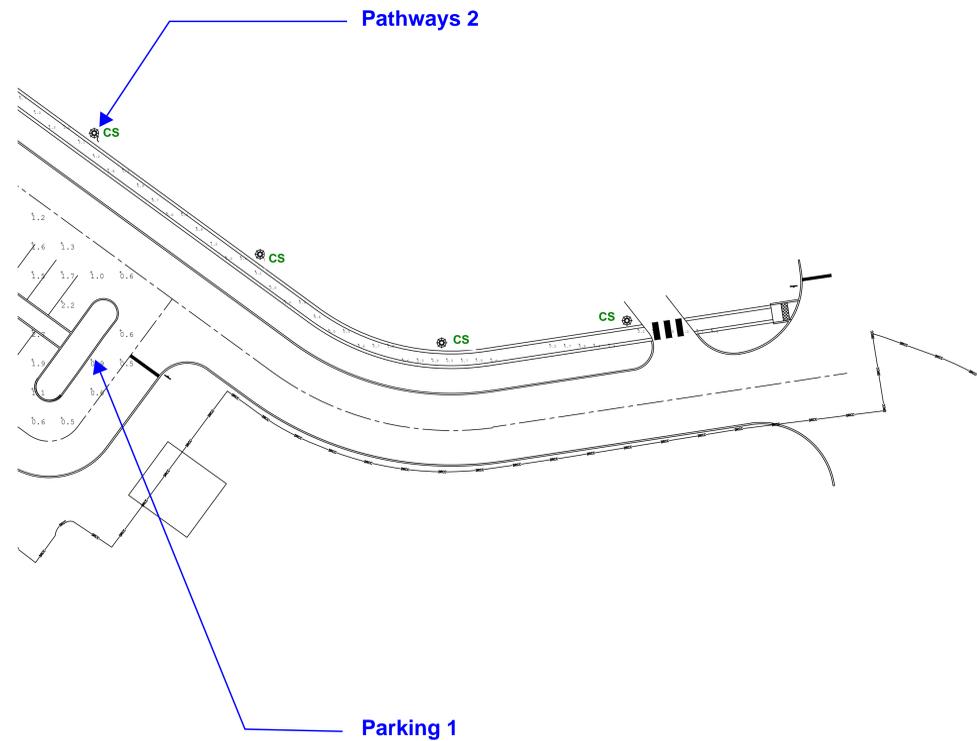
**Pathways\_3  
Illuminance (Fc)**  
Average=1.26  
Minimum=0.4  
Avg/Min=3.15



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KIRBY ARTS CENTER



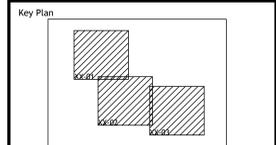
**SASAKI**  
110 CHAUNCEY STREET, SUITE 200, BOSTON, MA 02111  
P 617 926 3900 F 617 924 2748 W SASAKI.COM

**Lam**  
Partners

## LAND USE PERMIT SET

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



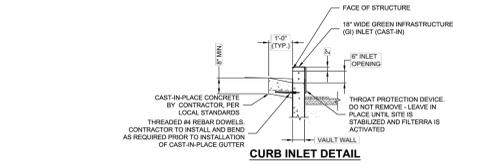
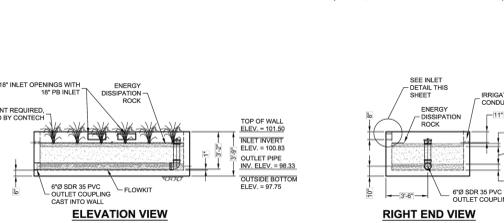
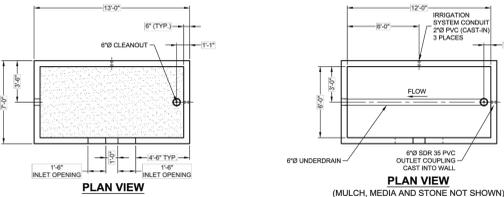
Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**  
  
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

## Drawing Title: LIGHTING PLAN

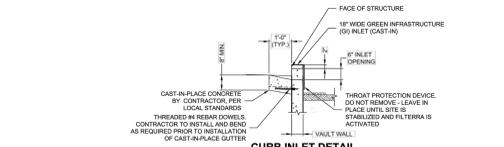
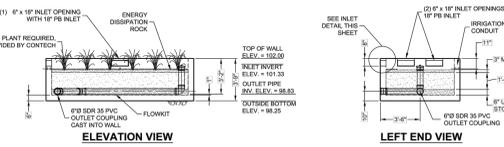
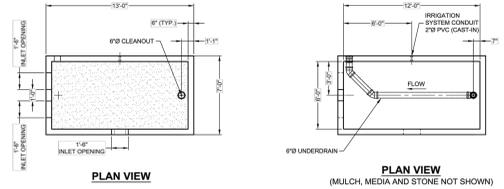
Project No: 28022.00 Scale: 1/2" = 1' 0"  
Drawn By: ST  
Checked By: AH  
Approved By: GH  
Date: 10/27/2023

Drawing No: **L7-03**

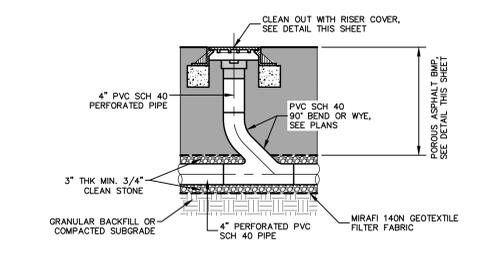




SYSTEM MTD-1A: FILTERRA BIOSCAPE VAULT 6x12



SYSTEM MTD-1B: FILTERRA BIOSCAPE VAULT 6x12



POROUS ASPHALT INSPECTION PORT (FUTURE)

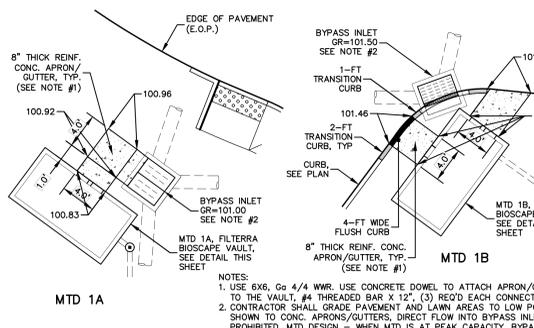
**GENERAL NOTES**

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. WWW.CONTECHES.COM
- FILTERRA WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET PEDESTRIAN (300 PSF) LIVE LOAD WITH HS-20 SURCHARGE AND H-10 LOAD AT THE CURB INLET. ASSUMING EARTH COVER OF 0'-4" AND GROUNDWATER ELEVATION AT OR BELOW FINISH GRADE ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
- FILTERRA STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C857, ASTM C918 AND ACI-318 LOAD FACTOR DESIGN METHOD.
- MULCH, AND DISPERSION ROCKS SUPPLIED BY CONTECH AND DELIVERED AT TIME OF SYSTEM ACTIVATION. PLANT SELECTION SHALL BE DONE BY THE ENGINEER OF RECORD IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. PLANT IS NOT PROVIDED BY CONTECH. CONTRACTOR IS RESPONSIBLE FOR SOURCING THE PROPER VEGETATION PRIOR TO ACTIVATION.

**INSTALLATION NOTES**

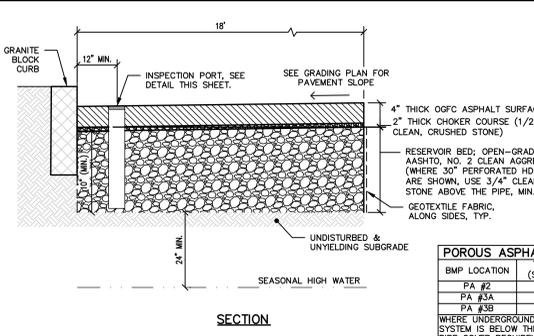
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE FILTERRA STRUCTURE. SPREADER BAR WITH SUFFICIENT CABLE IS REQUIRED FOR SAFETY AND REDUCTION OF DAMAGE TO CONCRETE STRUCTURE.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPES AND SECTIONS. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- CONTRACTOR TO SUPPLY AND INSTALL INLET PROTECTION BAR IF REQUIRED BY LOCAL JURISDICTION.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT FILTERRA MEDIA BAY FROM CONSTRUCTION-RELATED EROSION RUNOFF.
- SYSTEM ACTIVATION IS TO BE COMPLETED BY THE MANUFACTURER (OR SERVICE PROVIDER CERTIFIED BY MANUFACTURER), WHICH INCLUDES PLANTING OF THE SPECIFIED PLANT, MULCH INSTALLATION, AND PLACING OF DISPERSION ROCK. ACTIVATION ONLY OCCURS WHEN THE SITE IS FULLY STABILIZED WITH FINAL PAVEMENT INSTALLED AND SWEEP CLEAN OF CONSTRUCTION SEDIMENT. MAINTENANCE IS PROVIDED WITHIN 6-12 MONTHS OF ACTIVATION DATE, AT THE REQUEST OF THE OWNER.
- CONTACT CONTECH MAINTENANCE AND FIELD OPERATIONS AT 513-445-7770 TO SCHEDULE ACTIVATION.
- IT IS RECOMMENDED THAT ALL FILTERRA UNITS BE WATERED BY IRRIGATION LINES OR SPRINKLER SYSTEMS ON A REGULAR BASIS. FILTERRA UNITS MAY BE EQUIPPED WITH IRRIGATION HOLES FOR NEW OR EXISTING IRRIGATION LINES UPON REQUEST.

**FILTERRA BIOTENTION SYSTEMS (MTD) NOTES**



**CONCRETE APRON/GUTTER AT MTDs**

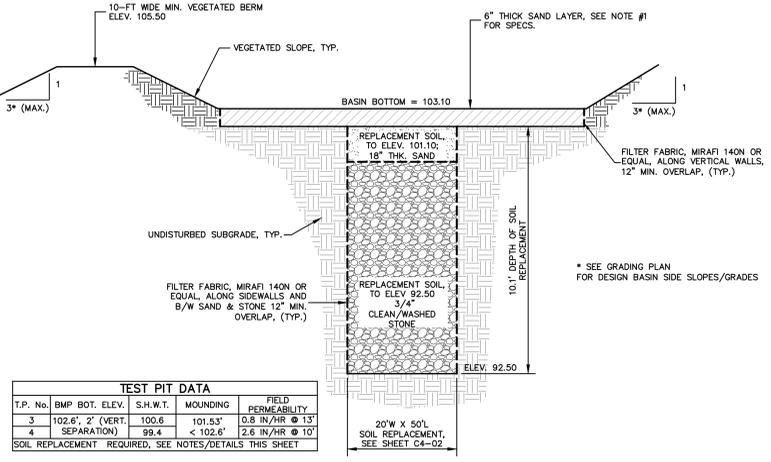
N.T.S.



POROUS ASPHALT #2 AND #3 (BANKED)

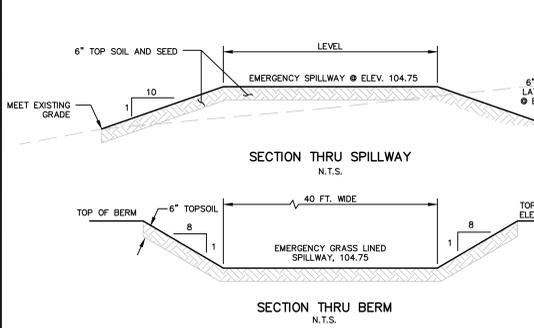
**NOTES**

- THE SAND MUST MEET ALL THE SPECIFICATIONS FOR CLEAN, MEDIUM-AGGREGATE CONCRETE SAND IN ACCORDANCE WITH AASHTO M-5 OR ASTM C-33, AS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY. THE MAXIMUM PERCENTAGE OF FINES IS 15%. THE MINIMUM TESTED PERMEABILITY RATE IS 20 INCHES/HOUR.
- DURING CLEARING AND GRADING OF THE SITE, MEASURES MUST BE TAKEN TO ELIMINATE SOIL COMPACTION AT THE LOCATION OF A PROPOSED SMALL-SCALE INFILTRATION BASIN.
- THE LOCATION OF THE PROPOSED SMALL-SCALE INFILTRATION BASIN MUST BE CORRODED OFF DURING CONSTRUCTION TO PREVENT COMPACTION OF THE SUBSOIL BY CONSTRUCTION EQUIPMENT OR STOCKPILES.
- THE USE OF THE LOCATION PROPOSED FOR A SMALL-SCALE INFILTRATION BASIN TO PROVIDE SEDIMENT CONTROL DURING CONSTRUCTION IS DISCOURAGED; HOWEVER, WHEN UNAVOIDABLE, EXCAVATION FOR THE SEDIMENT CONTROL BASIN MUST BE AT LEAST 2 FEET ABOVE THE FINAL DESIGN ELEVATION OF THE BASIN BOTTOM.
- EXCAVATION AND CONSTRUCTION OF A SMALL-SCALE INFILTRATION BASIN MUST BE PERFORMED USING EQUIPMENT PLACED OUTSIDE THE LIMITS OF THE BASIN.
- THE EXCAVATION TO THE FINAL DESIGN ELEVATION OF THE SMALL-SCALE INFILTRATION BASIN BOTTOM MAY ONLY OCCUR AFTER ALL CONSTRUCTION WITHIN ITS CONTRIBUTORY DRAINAGE AREA IS COMPLETED AND THE CONTRIBUTORY DRAINAGE AREA IS STABILIZED. IF CONSTRUCTION OF THE SMALL-SCALE INFILTRATION BASIN CANNOT BE DELAYED, BERMS MUST BE PLACED AROUND THE PERIMETER OF THE BASIN DURING ALL PHASES OF CONSTRUCTION TO DIVERT ALL FLOWS AWAY FROM THE BASIN. THE BERMS MAY NOT BE REMOVED UNTIL ALL CONSTRUCTION WITHIN THE CONTRIBUTORY DRAINAGE AREA IS COMPLETED AND THE AREA IS STABILIZED.
- THE CONTRIBUTING DRAINAGE AREA MUST BE COMPLETELY STABILIZED PRIOR TO SMALL-SCALE INFILTRATION BASIN USE.
- POST-CONSTRUCTION TESTING MUST BE PERFORMED ON THE AS-BUILT SMALL-SCALE INFILTRATION BASIN IN ACCORDANCE WITH THE CONSTRUCTION AND POST-CONSTRUCTION OVERSIGHT AND SOIL PERMEABILITY TESTING SECTION IN CHAPTER 12 OF THE NJ SWMP AS UPDATED. WHERE AS-BUILT TESTING SHOWS A LONGER DRAIN TIME THAN DESIGNED, CORRECTIVE ACTION MUST BE TAKEN. THE DRAIN TIME IS DEFINED AS THE TIME IT TAKES TO FULLY INFILTRATE THE MAXIMUM DESIGN STORM RUNOFF VOLUME THROUGH THE MOST HYDRAULICALLY RESTRICTIVE LAYER.



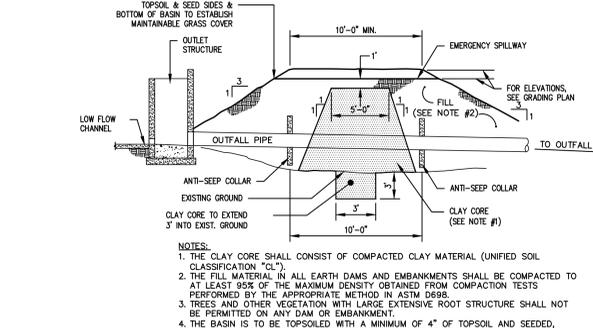
**SMALL SCALE INFILTRATION BASIN DETAIL**

N.T.S.



**EMERGENCY SPILLWAY WITH GRASS COVER**

N.T.S.



**TYPICAL BERM SECTION**

N.T.S.

**GENERAL POROUS ASPHALT NOTES:**

- ASPHALT MIXES AND STONE LAYERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019.
- ASPHALT DESIGN MIX MUST BE CONSTRUCTED IN ACCORDANCE WITH NJDOT STANDARD FOR PERMEABLE ASPHALT AS OUTLINED IN CHAPTER 9.6 OF THE NJ STORMWATER BMP MANUAL.
- POLYMER MODIFIED BINDER PG64E-22 MUST BE USED IN THE SURFACE COURSE.
- THE POROSITY OF THE ASPHALT SURFACE COURSE MUST BE 15-25%.
- WHERE THERE IS SUFFICIENT CLEARANCE ABOVE THE SEASONAL HIGH WATER TABLE, PERVIOUS SYSTEMS DESIGNED WITH AN UNDERDRAIN MAY PLACE THE UNDERDRAIN PIPE IN A TRENCH EXCAVATED INTO SUBSOIL RATHER THAN IN THE AGGREGATE-FILLED STORAGE BED.
- DESIGN FOOTNOTES:
  - <sup>A</sup>THE UNDERDRAIN SYSTEM IS CONFINED WITHIN THE AGGREGATE FILLED STORAGE BED.
  - <sup>B</sup>THE 3" THICK STONE ABOVE THE UNDERDRAIN SYSTEM IS CONFINED WITHIN THE AGGREGATE FILLED STORAGE BED.

POROUS ASPHALT #1 (BANKED) DETAIL

WITH UNDERDRAIN SYSTEM

**SASAKI**  
110 CHAUNCEY STREET, SUITE 200, BOSTON MA 02111  
P 617 926 9300 F 617 924 2148 W SASAKI.COM

**The Reynolds Group Inc.**  
Engineers  
Landscape Architects  
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575 Route 28, Suite 110  
Rortton, N.J. 08869  
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21M00004300

F. Mitchel Ardman, P.E., P.P.  
Jeffrey D. Reynolds, P.L.A.

*F. Mitchel Ardman*  
F. MITCHEL ARDMAN  
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317  
TRG-22-019

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		
Stamp		
Key Plan		

Project Title:  
**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

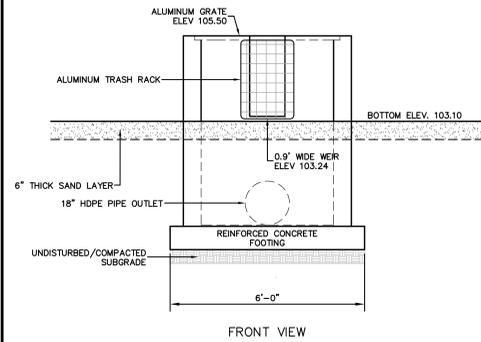
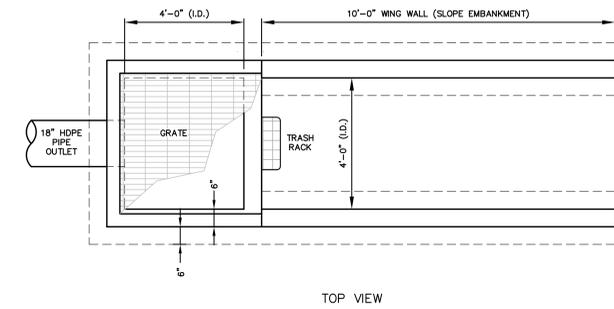
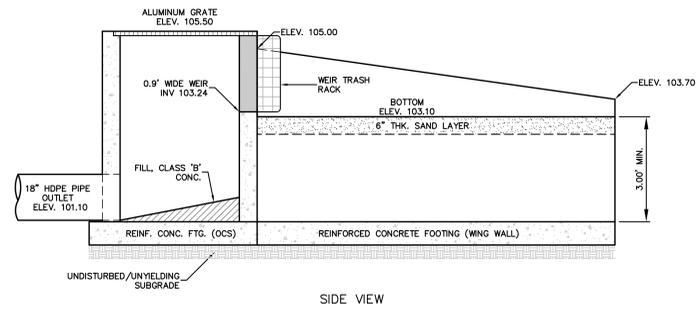
**THE LAWRENCEVILLE SCHOOL**  
2500 Main Street, Lawrenceville  
NJ 08648

Drawing Title:  
**SITE DETAILS**

Project No: 28022.00 Scale:  
Drawn By: A.A.  
Checked By: FMA  
Approved By: FMA  
Date: 10/27/2023

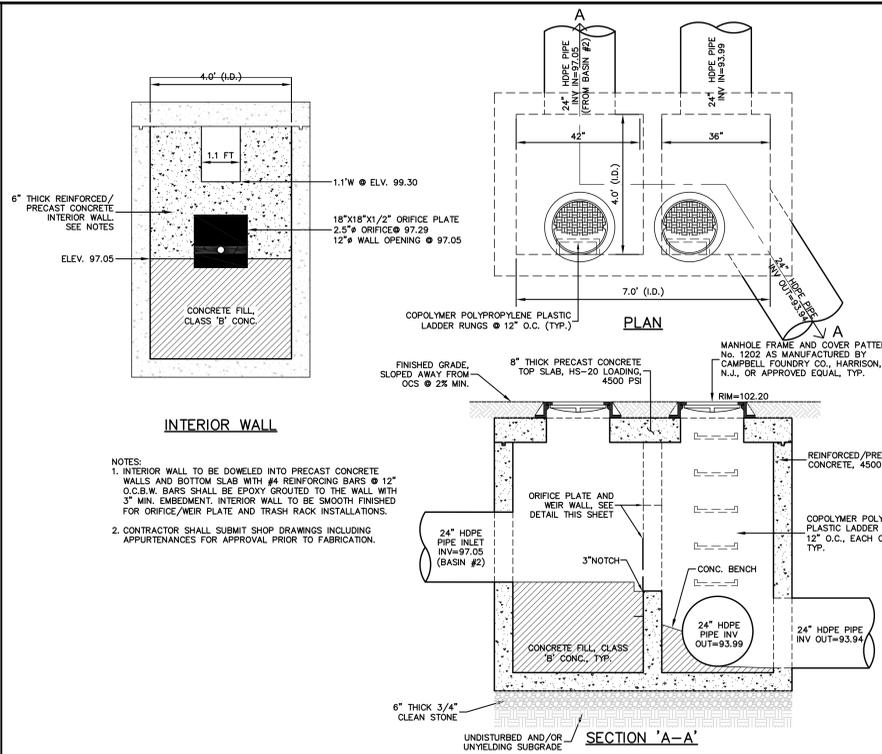
Drawing No:  
**C7-02**

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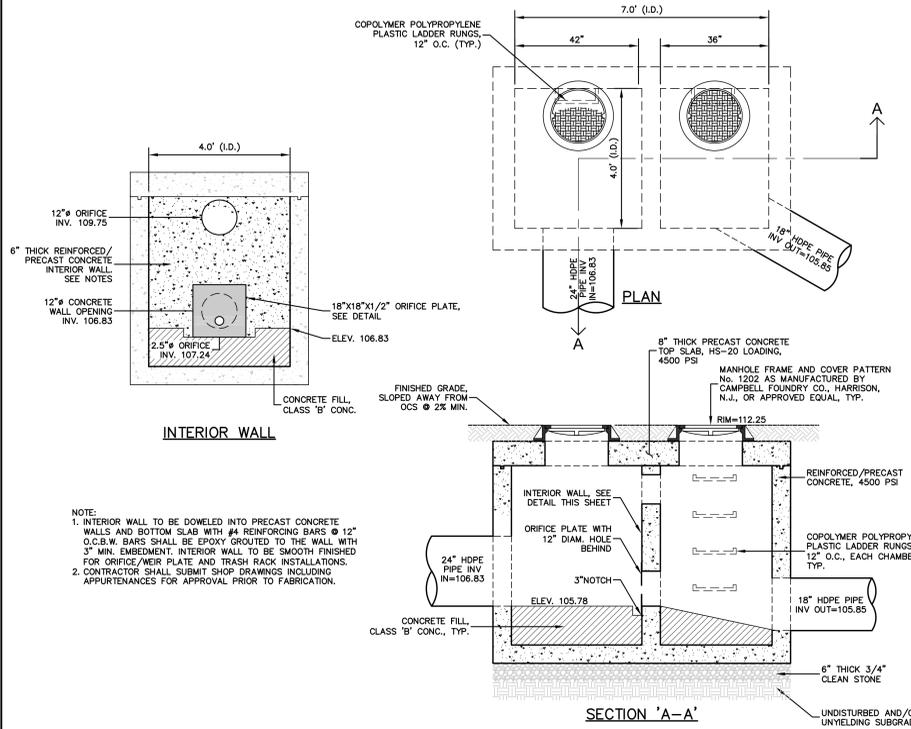
- NOTES:**
1. OUTLET STRUCTURE SHALL BE CONSTRUCTED OF STEEL REINFORCED PRECAST CONCRETE. SHOP DRAWINGS INCLUDING APPURTENANCES MUST BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
  2. SUBMIT STABILITY CALCULATIONS FOR REINFORCED CONCRETE /PRECAST WING WALLS SIGNED AND SEALED BY A LICENSED N.J.P.E. SUBMITTALS SHALL INCLUDE GALVANIZED PLATES AND LUG BOLTS FOR JOINING PRECAST STRUCTURES. WING WALL TO BE 6" THICK, MIN.
  3. CHAMFER ALL EXPOSED EDGES.

**OUTLET STRUCTURE #1**  
 N.T.S.



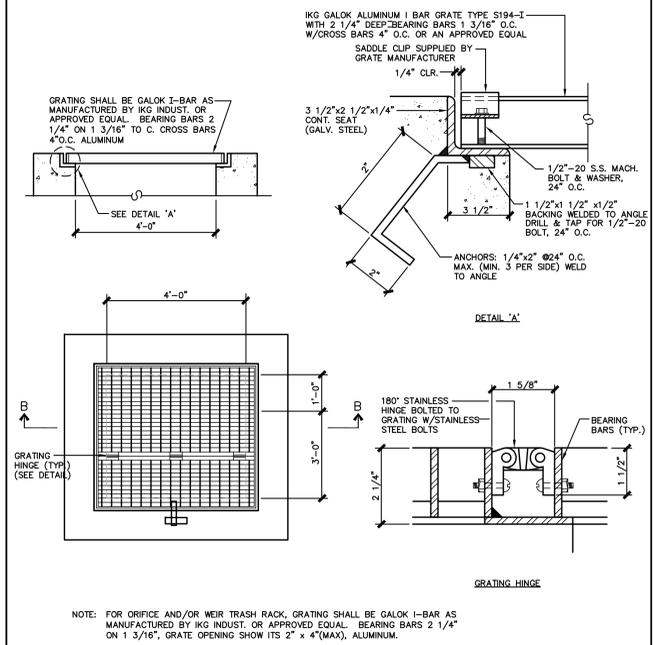
- NOTES:**
1. INTERIOR WALL TO BE DOWELED INTO PRECAST CONCRETE WALLS AND BOTTOM SLAB WITH #4 REINFORCING BARS @ 12" O.C.S.W. BARS SHALL BE EPOXY GROUTED TO THE WALL WITH 3" MIN. EMBEDMENT. INTERIOR WALL TO BE SMOOTH FINISHED FOR ORIFICE/WEIR PLATE AND TRASH RACK INSTALLATIONS.
  2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING APPURTENANCES FOR APPROVAL PRIOR TO FABRICATION.

**OUTLET CONTROL STRUCTURE #2**

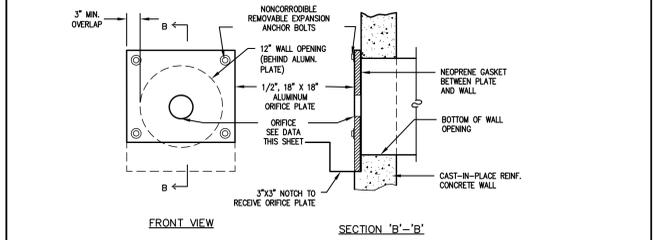


- NOTE:**
1. INTERIOR WALL TO BE DOWELED INTO PRECAST CONCRETE WALLS AND BOTTOM SLAB WITH #4 REINFORCING BARS @ 12" O.C.S.W. BARS SHALL BE EPOXY GROUTED TO THE WALL WITH 3" MIN. EMBEDMENT. INTERIOR WALL TO BE SMOOTH FINISHED FOR ORIFICE/WEIR PLATE AND TRASH RACK INSTALLATIONS.
  2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING APPURTENANCES FOR APPROVAL PRIOR TO FABRICATION.

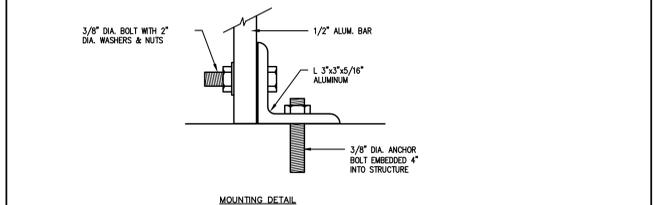
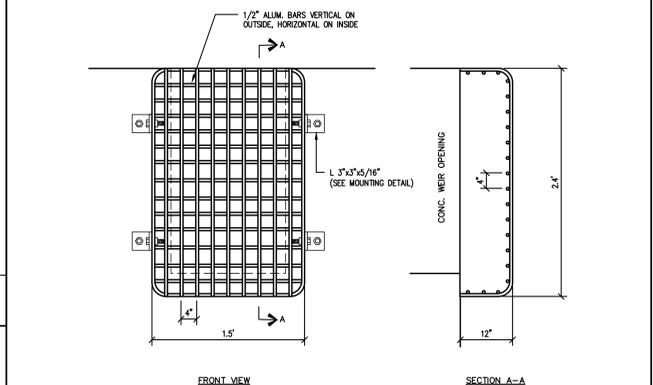
**OUTLET CONTROL STRUCTURE #3 (BANKED)**



**OUTLET STRUCTURE TOP GRATING AND TRASH RACK**



**ORIFICE PLATE**

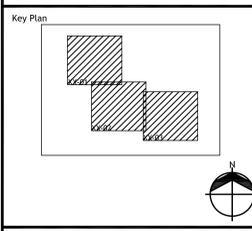


**TRASH RACK (O.S. #1)**

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



**Drawing Title:**  
**SITE DETAILS**

**Project No:** 28022.00 **Scale:**  
**Drawn By:** A.A.  
**Checked By:** FMA  
**Approved By:** FMA  
**Date:** 10/27/2023

**Drawing No:** **C7-03**

**GENERAL NOTES**

- INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. WALLS SHALL BE 8 INCHES THICK IF BRICK AND 6 INCHES THICK IF CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. INLET FOUNDATIONS AND INVERTS SHALL BE CLASS B CONCRETE.
- CORRELLING OF INLET WALLS WILL BE PERMITTED AT THE RATE OF 1/8 INCH PER 8 INCHES OF HEIGHT; MAXIMUM CORREL 6 INCHES PER WALL.
- EXCEPT FOR INLETS TYPE A AND C, FOUNDATIONS AND INVERTS SHALL BE CONSTRUCTED IN TWO STAGES AND THE BOTTOM OF THE FOOTINGS SHALL BE 8 INCHES BELOW THE OUTER WALL OF THE LOWEST PIPE IN THE INLET.
- WHEN THE DEPTH OF AN INLET THAT IS NOT PRECAST EXCEEDS FROM TOP OF GRATE TO INVERT, WALLS BELOW A DEPTH OF 8 FEET SHALL BE 12 INCHES THICK AND THE DEPTH OF FOUNDATION INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED THE DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED.
- INLET FOUNDATIONS WHICH ARE PRECAST SHALL BE PLACED ON A 6 INCH THICK BED OF COMPACTED COARSE AGGREGATE #57. THE COARSE AGGREGATE SHALL EXTEND 6 INCHES BEYOND THE HORIZONTAL LIMITS OF THE INLET FOUNDATION.
- CASTINGS FOR PRECAST INLETS SHALL BE ADJUSTED TO GRADE WITH COURSES OF BRICK, AS REQUIRED, 12 INCHES MAXIMUM.
- WHEN THE DEPTH OF A PRECAST INLET EXCEEDS 10 FEET AS MEASURED FROM TOP OF GRATE TO INVERT, THE FOUNDATION SHALL BE INCREASED TO 12 INCHES. WHEN ROCK IS ENCOUNTERED, THE DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED.
- MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS TYPES A, B, C, E, D-1, D-2, AND B MODIFIED:

DEPTH BELOW TOP OF GRATE	HORIZONTAL REIN.	VERTICAL REIN.	WALL THICK.
0" TO 10'-0"	#3 @ 12" C.C.	#3 @ 18" C.C.	6"
10'-0" TO 15'-0"	#3 @ 8" C.C.	#3 @ 18" C.C.	6"
15'-0" TO 20'-0"	#3 @ 6" C.C.	#3 @ 18" C.C.	6"

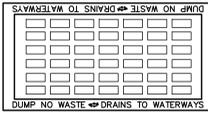
REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED; ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR.

**ALTERNATE REINFORCEMENT**

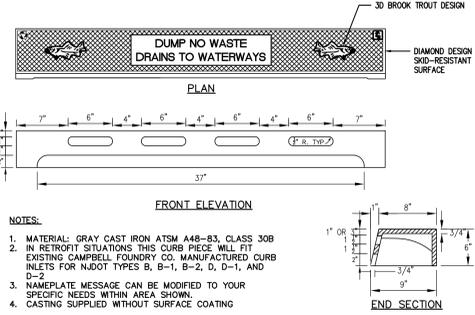
DEPTH BELOW TOP OF GRATE	W/F	WALL THICK.
0" TO 10'-0"	W/F 3 x 6 WEBS SPACED AT 3" TO RUN HORIZONTAL IN ALL CASES.	6"
10'-0" TO 15'-0"	W/F 3 x 6 WE ADD #10 REINFORCEMENT STEEL @ 12" HORIZONTAL.	6"
15'-0" TO 20'-0"	W/F 3 x 6 WE ADD #10 REINFORCEMENT STEEL @ 9" HORIZONTAL OR ADD #13 REINFORCEMENT STEEL AT 15" HORIZONTAL.	6"

9. ALL INLETS AND MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT N.JDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ITS AMENDMENTS.

10. DIMENSIONS, WEIGHTS AND OTHER CRITERIA SHOWN ON THESE DETAILS ARE FOR CLASS 30B CAST IRON ONLY.



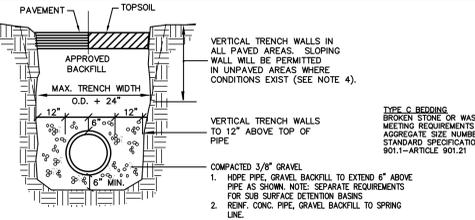
**ECO-GRATE**  
N.T.S.



**NOTES:**

- MATERIAL: GRAY CAST IRON ATSM A48-83, CLASS 30B
- IN RETROFIT SITUATIONS THIS CURB PIECE WILL FIT EXISTING CAMPBELL FOUNDRY CO. MANUFACTURED CURB INLETS FOR N.JDOT TYPES B, B-1, B-2, D, D-1, AND D-2.
- NAMEPLATE MESSAGE CAN BE MODIFIED TO YOUR SPECIFIC NEEDS WITHIN AREA SHOWN.
- CASTING SUPPLIED WITHOUT SURFACE COATING.

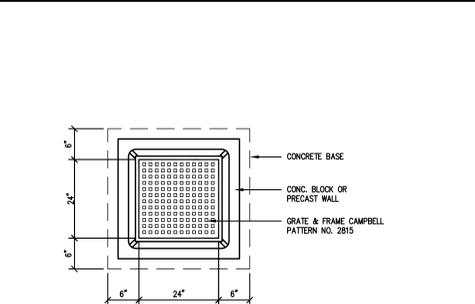
**CURB PIECE TYPE 'N-ECO'**  
CAMPBELL FOUNDRY OR APPROVED EQUAL  
N.T.S.



**NOTES:**

- IN PAVED AREAS, WIDTH OF PAVEMENT TO BE REMOVED SHALL BE 12" BEYOND EDGE OF TRENCH. SAWCUT EXISTING PAVEMENT TO FULL DEPTH PRIOR TO EXCAVATION. EXISTING PAVEMENT TO REMAIN SHALL BE PROTECTED FROM BREAKAGE DURING PIPE INSTALLATION AND TRENCH BACKFILL.
- IF CONTRACTOR INCREASES TRENCH WIDTH, HE IS TO RECOMPUTE AND SUBMIT FOR APPROVAL BY THE ENGINEER ALL PIPE CLASSES. ANY ADDITIONAL COST NECESSITATED BY THE INCREASE IN TRENCH WIDTH IS TO BE BORNE BY THE CONTRACTOR.
- ALL EXCAVATION, TRENCHING, SHEETING AND BRACING SHALL CONFORM TO THE REQUIREMENTS OF THE "CONSTRUCTION SAFETY CODE OF THE BUREAU OF ENGINEERING AND SAFETY OF THE NEW JERSEY DEPARTMENT OF LABOR AND INDUSTRY".
- SLOPE OF THE TRENCH SHALL NOT EXCEED O.S.H.A. REQUIREMENTS, WHERE SUCH SLOPE WILL CAUSE TOP WIDTH OF TRENCH TO PROTRUDE BEYOND THE ACQUIRED EASEMENT (PERMANENT AND TEMPORARY), THE CONTRACTOR SHALL USE SHEETING.

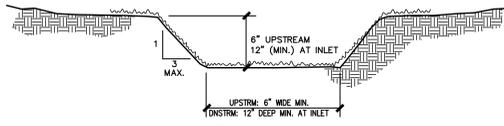
**TYPICAL STORM LINE TRENCH**



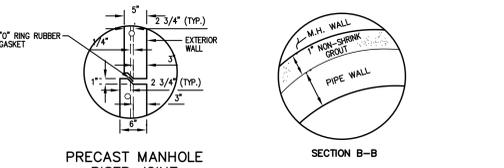
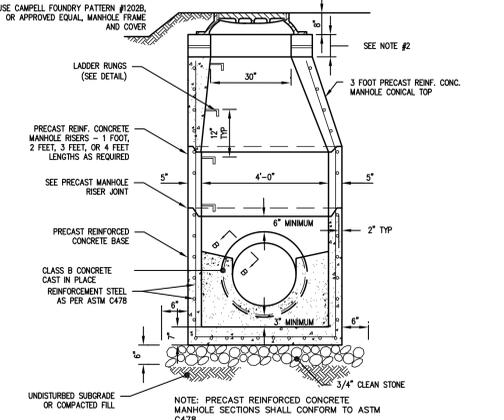
**NOTES:**

- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT N.JDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ITS AMENDMENTS.
- IF BLOCK INLETS PROVIDED, SHALL BE MULTIPLEX BLOCK, WITH STAGGERED, MORTARED JOINTS. INTERIOR AND EXTERIOR WALLS SHALL ALSO BE PLASTERED WITH 1/2" MORTAR.
- PROVIDE POLYPROPYLENE STEPS AT 12" O.C.
- FOR LAWN INLETS #3, #4, #5, #6 & #7; USE BEHAVE TYPE GRATE AS MANUFACTURED BY NEENAH (Catalog # R-4346), EAST JORDAN IRON WORKS (Catalog # 7770) OR APPROVED EQUAL.

**LAWN INLET W/ SQUARE GRATE**



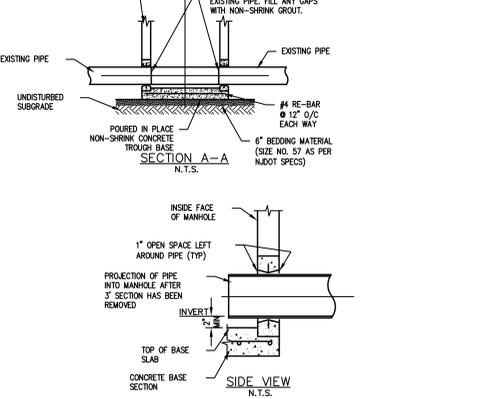
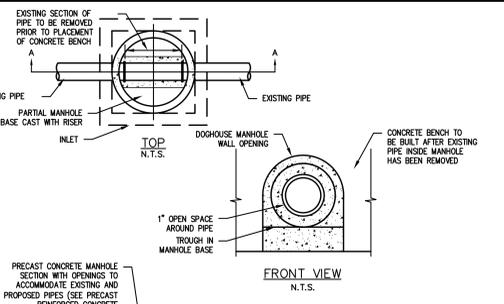
**GRASS SWALE**



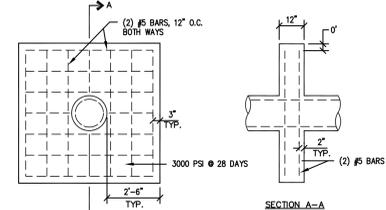
**NOTES:**

- ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT N.JDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ITS AMENDMENTS.
- CASTINGS OF PRECAST MANHOLES SHALL BE ADJUSTED TO GRADE WITH COURSES OF BRICK, CONCRETE BLOCK, OR CONCRETE GRADING RINGS AS REQUIRED, 12 INCHES MAXIMUM.
- COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNGS SHALL BE INSTALLED AT 12" O.C.

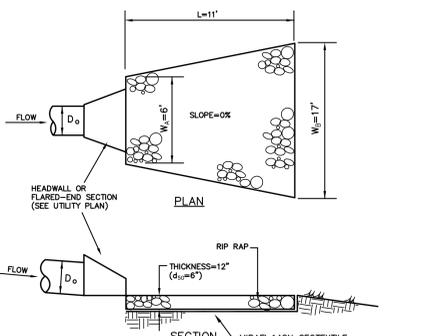
**PRECAST CONCRETE STORM MANHOLE**



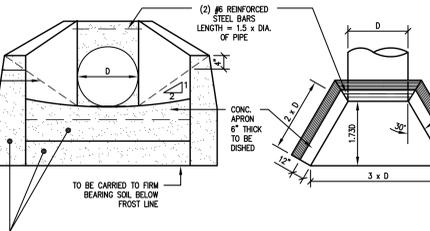
**DOGHOUSE INLET/MANHOLE FOR STORM SEWER**



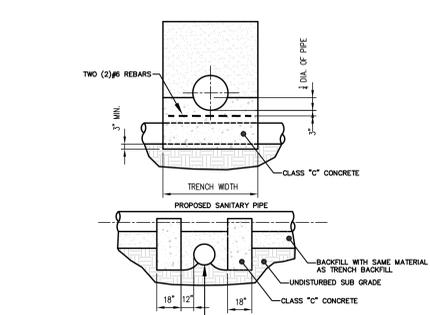
**ANTI-SEEP COLLAR**



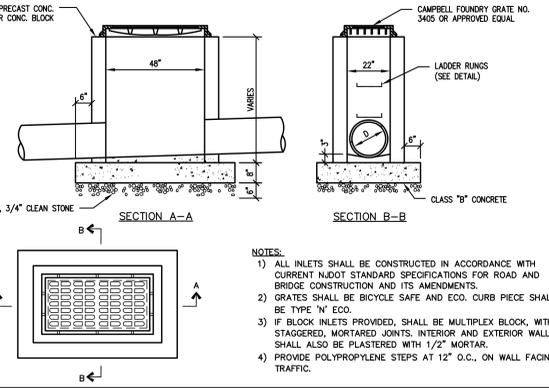
**RIP RAP APRON**



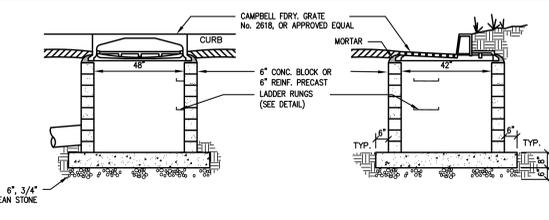
**HEADWALL WITH WINGWALL**



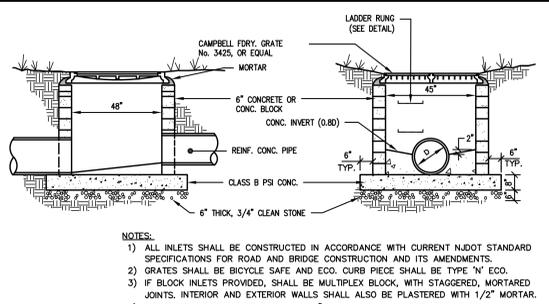
**CONCRETE PIPE CRADLES/SUPPORTS**  
N.T.S.



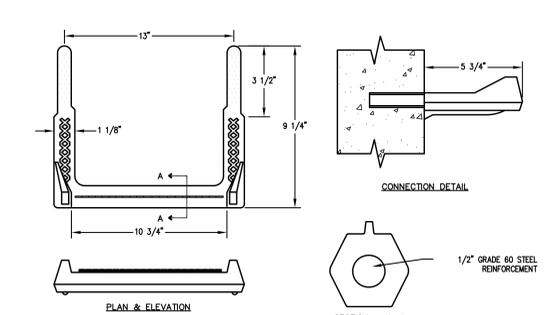
**TYPE 'A' INLET**  
N.T.S.



**TYPE 'B' INLET**



**TYPE 'E' INLET**

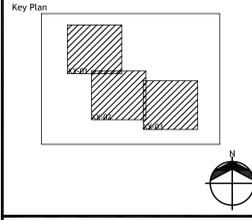


**POLYPROPYLENE LADDER RUNG (STORM)**

**LAND USE PERMIT SET**

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:

**THE LAWRENCEVILLE SCHOOL  
CAMPUS DRIVE WEST**

**THE LAWRENCEVILLE SCHOOL  
2500 Main Street, Lawrenceville  
NJ 08648**

Drawing Title:

**SITE DETAILS**

Project No: 28022.00 Scale:  
Drawn By: A.A.  
Checked By: FMA  
Approved By: FMA  
Date: 10/27/2023

Drawing No: **C7-04**